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28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

No. 3139
VOL. CXXXII

APRIL 6, 1940

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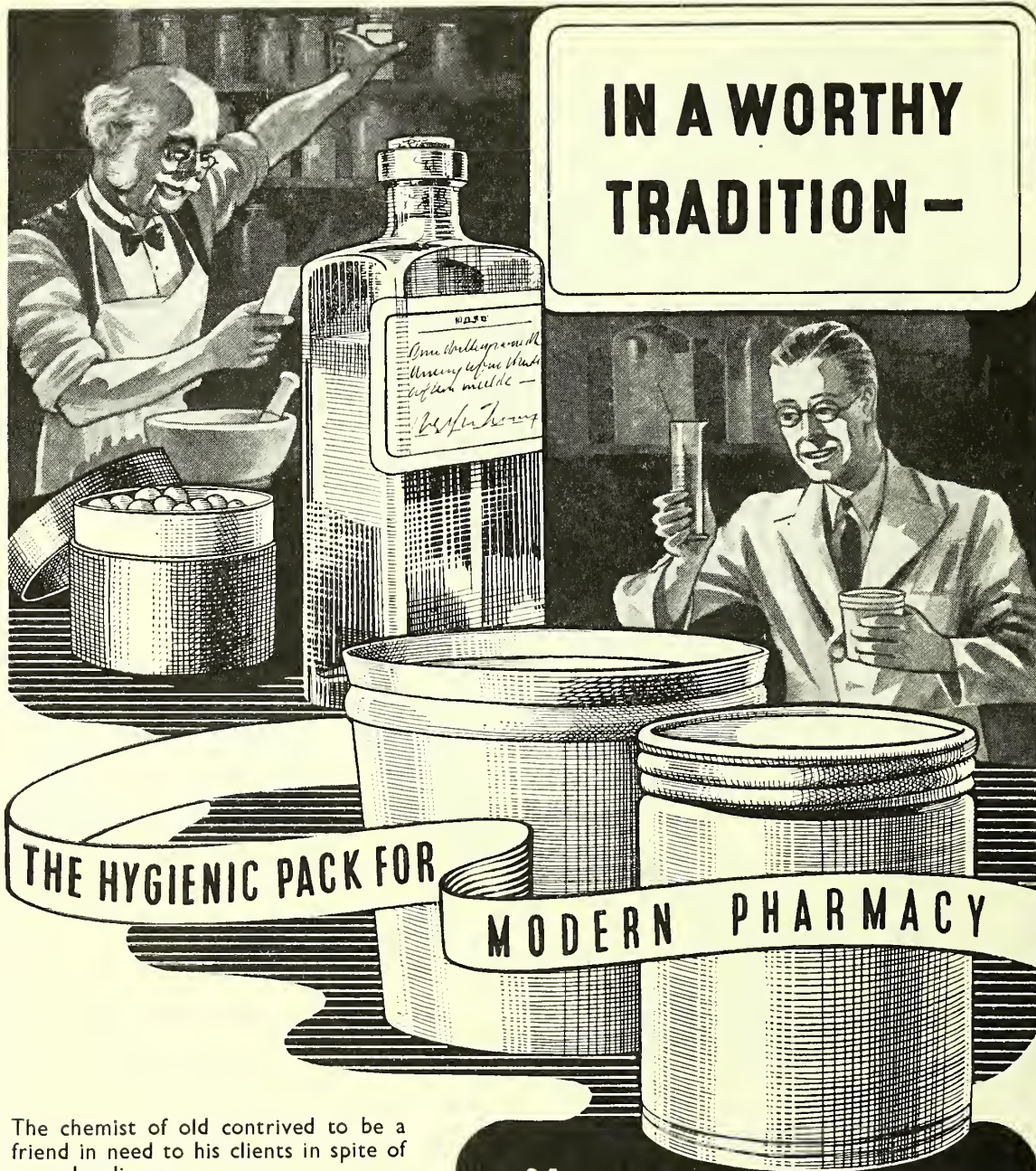
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INDEX TO ADVERTISERS

Allen & Hanbury's, Ltd. Front Cover	Chemical Workers' Union, The Col. Supp.	Ferber, Robert, Ltd. 10
Aspro, Ltd. vii	Chemist and Druggist, The Leader Page	Fink, F., & Co. 14
Association of Manfg. Chemists, Ltd. Col. Supp.	Chesebrough Manfg. Co., Ltd. 9	Freeman, Wm. & Co., Ltd. Leader Page
Battles, Ltd. Leader Page	Cooper Laboratory, The 12	Gardiner & Co. (The Scotch House), Ltd. 8
Beechams Pills, Ltd. viii	Cox, Arthur H., & Co., Ltd. Cover iv	Graesser, N. H. ii
Bell, John, Hills & Lucas, Ltd. Leader Page	Cussons, Sons & Co., Ltd. Cover iii	Graesser Salicylates, Ltd. ii
Blackwell, Hayes & Co., Ltd. iii	Dominion Steel Corporation, Ltd. 8	Hough, Hoseason & Co., Ltd. 14
Boots Pure Drug Co., Ltd. iv	Drugs and Toilets (Pty.), Ltd. iii	Lofthouse & Saltner, Ltd., 12
Brady & Martin, Ltd. iv	Duncan Flockhart & Co., iii	London & Provincial Factors, Ltd. 9
Burge, Warren & Ridgley, Ltd. 10	Ensign Snapshot Service 10	London College of Pharmacy 14
Burgoyne, Burbidges & Co., Ltd. i	Evans Sons Lescher & Webb, Ltd. 16	
Burrough, James, Ltd. Leader Page		
Burroughs Wellcome & Co. 15		

(continued overleaf)

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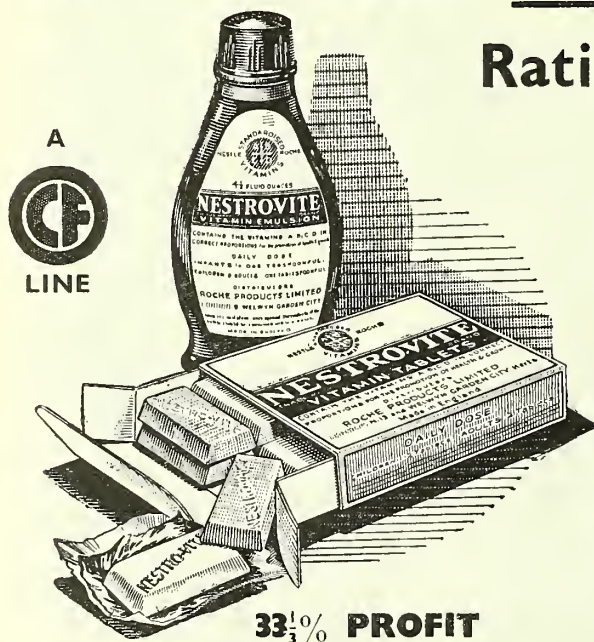
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INDEX—contd.

McGlashan, D., Ltd. 14	Potter & Clarke, Ltd. 13	Sim, Ltd. iv
Matthews, D., & Son, Ltd. Col. Supp.	Prichard & Constance (Mfg.), Ltd. 7	Singha, The Dr., Co., Ltd. 12
Mawdsley, D., & Co. 14	Prideaux's, Ltd. vi	Smith, Martin H., Co. iv
Molson Ionised Iodine Co., Ltd. 14	Rendell, W. J., Ltd. 5	Smith, T. J., & Nephew, Ltd. 10
Mono Containers, Ltd. 4	Roche Products, Ltd. 6	Splendor, Ltd. 3, 9, 14
New Era Treatment Co., Ltd. 1	Ronaldson, J., & Co., Ltd. 14	Sumner, R., & Co., Ltd. 2
Norwegian Cod Liver Oil vi	Rose, J. L., Ltd. ii	Swales, T. 8
Optrex, Ltd. iv	Royal Dental Hospital of London School of Dental Surgery. 14	Teasdale Chlorodyne Co. ii
Oystrax, Ltd. 14	Rozalex, Ltd. 12	Thermal Syndicate Ltd., The 8
Parke, Davis & Co. Cover ii	Samona, Ltd. vi	Thornton & Ross, Ltd. 2
Perken, Son & Co., Ltd. 8	Schering, Ltd. Leader Page	Tokalon, Ltd. 14
Perry & Hope, Ltd. 14	Scott & Turner, Ltd. 11	Whiffen & Sons, Ltd. v
	Scurr, C. A. 14	Wilcox, Jozeau & Co. Leader Page
	Sharplin, W. J., Ltd. 10	Yestamin Co. (Dried Yeast Pow- der and Tablets) 14

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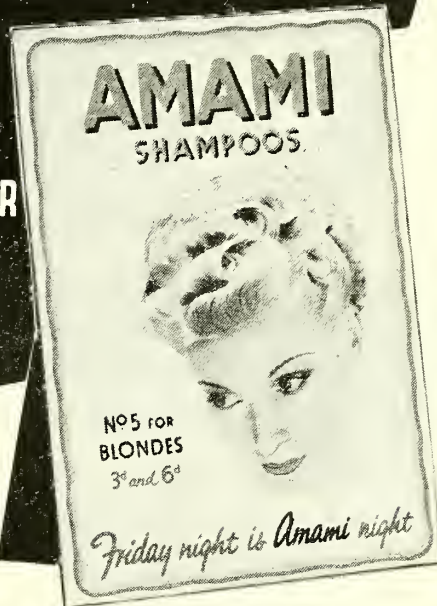
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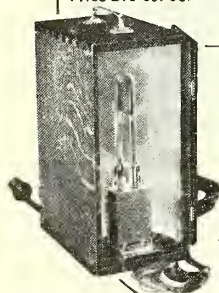
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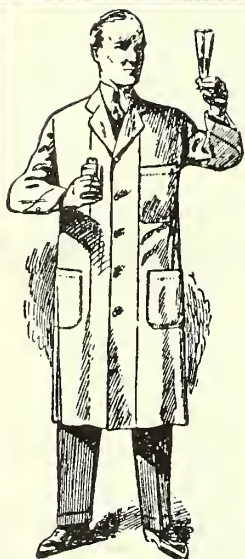
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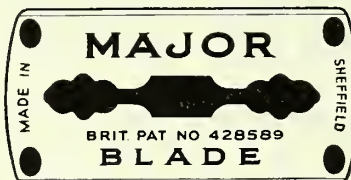
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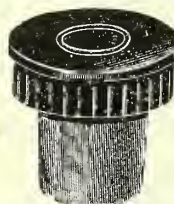
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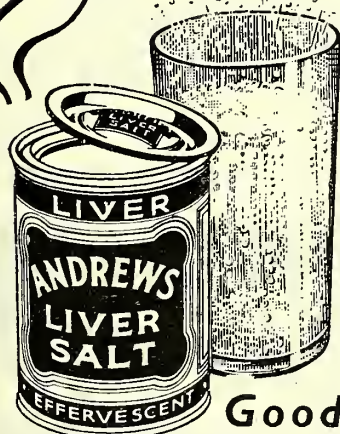
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NEWS OF THE WEEK

Key Industry Duty Exemptions.—The Treasury have made an Order under Section 10 (5) of the Finance Act, 1926, continuing the exemption from Key Industry duty of the articles specified below until June 30, 1940.

BARBITONE (Veronal; Malonal; Malourea; acid diethyl-parbituric; diethylmalonylurea; Hypnogen; Deba).
GLYCOL ETHERS.

Prices of Oils and Fats.—The Ministry of Food announces that the prices fixed for oils and fats allocated to primary wholesalers and large trade consumers for the period March 4 to March 30 will remain unchanged for the period April 1 to May 4, 1940.

Medical Supplies for Finland.—Dangers of epidemics in Finland following the war are being met by dispatches of medical supplies from this country, paid for out of the Finland Fund. A recent consignment included 100 lb. of M. & B. 693; surgical instruments, blood-transfusion apparatus and soap are shortly to be sent.

Ethical Pharmaceuticals Association Luncheon.—A members' luncheon was held at the Savoy Hotel, London, W.C.2, on Tuesday, April 2. Mr. A. W. Edwards (chairman) presided and was supported by a representative gathering of the trade. The guests included a number of members of the medical profession. Following the luncheon, which was informal, the chairman spoke on the subject of medical literature and invited those doctors present to give their opinions as to whether they read the steady flow of printed matter which reached them and, if so, did they find it useful. Dr. Kennedy, Dr. Harris, Mr. Spicer and Mr. Mortimer replied for the guests. While the speakers treated the subject in a light manner there was a general opinion that, particularly at the present time, pharmacists and doctors had not the time to read all the literature on ethical products they received. It would, it was suggested, be more in keeping with the times if the manufacturer's brochures and pamphlets were made as brief as possible.

Lighting Offence.—At Liverpool Police Court, recently, Edward George Voigts, dispatch clerk, was fined £10 for permitting lights to be seen from unscreened windows at the warehouse of The British Drug Houses, Ltd., Lord Nelson Street, Liverpool.

Liverpool Display Awards.—Several chemists' assistants figure in the list of awards of the Liverpool School of Art for success in examinations for theoretical and practical window-dressing and display. Eric Gregory (Boots, Ltd.) has been awarded a diploma. The following have received certificates: A. E. Newby (Boots, Ltd.), G. Thelwell (Lever Bros., Ltd.), J. H. Andrews, W. Andrews (Boots, Ltd.).

Earlier Closing Hours Move.—The Early Closing Association is in consultation with leading national trade organisations and its own affiliated societies in connexion with its campaign to stabilise earlier closing than the pre-war late hours.

Public Pharmacists' Officers and New Branch.—At the annual and council meetings of the Guild of Public Pharmacists, held on March 19, the following officers were elected:—*President*, Mr. F. B. Royal; *Vice-President*, Mr. J. Moore; *Treasurer*, Mr. C. H. Sykes; *Secretary*, Mr. A. E. Campion; *Registrar*, Mr. F. W. J. Hooper; *Editor*, Miss E. B. Blundell; *Assistant Secretary*, Mr. J. E. Day; *Assistant Registrar*, Mr. J. Carey; *Insurance Registrar*, Mr. J. H. Wood; *Advertisement Editor*, Mr. W. C. Wood. The Council was re-elected *en bloc*. It was reported that a new branch of the Guild had been formed at Nottingham.

Manchester Juniors.—The eighth annual meeting of the Manchester Pharmaceutical Association (Junior Branch) was held in the Victoria Hotel on March 28. The vice-chairman, Mr. Hesketh, presided in the absence of the chairman, Mr. Harding, who was recovering from the effects of an operation. The report of the executive was presented by the secretary, Mr. J. Tomlinson, and the balance sheet was submitted by the treasurer, Miss Morrison. In a short discussion afterwards on activities for the future session Mr. Cronin mentioned that it might be possible to contact the men from Manchester and district serving in the Forces with a view to being of assistance to them both during and after hostilities.

Pharmacy and Poisons Act, 1933.—The Home Office has issued a notice drawing attention to the Poisons List (Amendment) Order, 1940, (S.R. & O., 1940, No. 453), and the Poisons (Amendment) Rules, 1940 (S.R. & O., 1940, No. 452), which came into operation on April 1. The Order and Rules amend the definition of sulphanilamide derivatives contained in the item "Para-aminobenzenesulphonamide" which was added to Part I of the Poisons List by the Poisons List (Amendment) Order, 1938, and to the First and Fourth Schedules to the Poisons Rules, 1935, by Rules 5 and 7 respectively of the Poisons (Amendment) Rules, 1938; the amendment consists in the replacement of the words "derivatives of para-aminobenzenesulphonamide having one or both of the hydrogen atoms of the para-amino group substituted by other radicals" by the words "derivatives of para-aminobenzenesulphonamide having any of the hydrogen atoms of the para-amino group or of the sulphonamide group substituted by another radical."

Sulphonal and alkyl sulphonals are now included in the First Schedule.

A further amendment to the First Schedule exempts dentifrices containing less than 0.5 per cent of acetarsol from the special restrictions applying to substances included in the First Schedule.

An addition has been made to the Special Exemptions in Group II of the Third Schedule to the Poisons Rules to exempt from all control under the Act and Rules chlorides of antimony contained in polishes.

CONTENTS: p. 265

**Late news in
Coloured Supplement**

Officers Elected.—At the annual meeting of the Wembley and District Branch of the Pharmaceutical Society, the following officers and members of the executive committee were elected: *Chairman*, E. Ratcliffe; *Vice-Chairman*, W. E. James; *Treasurer*, C. H. Dixon; *Secretary*, R. M. Jenner, 27 Sudbury Croft, Wembley; *Social Secretary*, E. C. Meredith; *N.P.U. Secretary*, C. B. Gosling; *P.A.T.A. Secretary*, N. A. Exelby; *Committee*, W. C. Baker, S. W. Bearman, J. Cooper, J. J. Coutts, J. E. Goodall, H. E. Purchase, T. B. Robinson, J. K. Westerman.

Shipley Firm's Dance in Aid of War Comforts.—A whist drive and dance in aid of the Shipley Comforts Fund (for Army, Navy and Air Force) was arranged by Carter Bros., manufacturing chemists, Shipley, and held on March 20. Approximately 400 people were present and whist and dance prizes were provided by the following firms:—Potter & Clarke, Ltd., London; W. J. Bush & Co., Ltd., London; Robinson & Sons (Chesterfield), Ltd., Chesterfield; W. Hobbs & Co., Ltd., London; Williams, Jowett & Co., Ltd., (cardboard-box manufacturers), Bradford; E. Illingworth & Co., Ltd. (tin-box manufacturers), Shipley; North Account Book Manufacturing Co., Heckmondwike; and Allen Corner & Co., Ltd., Manchester. Councillor Horne (chairman of the local Council) together with other Council members, attended the function. Mrs. Birbeck presented the prizes and Mrs. Barnes drew the winning ticket for the raffle. Mr. Norman Carter was M.C. for the dance and Mr. R. E. Butterfield for the whist.

Chancellor Receives F.B.I. Deputation on Excess Profits Tax.—A deputation from the Federation of British Industries laid before the Chancellor of the Exchequer, on March 18, the views of its members on the Excess Profits Tax. Industry, it was urged, was prepared to bear its full share of the cost of the war, but asked that standards and allowances should be fixed on a fair basis. To rule out the profits of the year 1938 from the standard periods was considered unfair, while the proposals for arriving at an alternative standard gave inadequate powers to the Board of Referees, since limitation of reference to ordinary capital would create inequity, particularly for private com-

panies, in which capital structure was often not representative of the capital actually employed. The deputation agreed that final provisions could be made for terminal losses till the end of the E.P.T., but considered it possible now to do something towards avoiding losses arising out of stock valuation. Finally a revival was asked for of the Excess Profits Duty provision that appropriate variations in the statutory percentage might be obtainable to meet variations in risk, and other factors, between one industry and another. Sir John Simon promised to give consideration to the points raised.

IRELAND

Medical Success.—Dr. E. T. McCartney, son of Mr. R. F. McCartney, J.P., Ph.C., has graduated Fellow of the Royal College of Surgeons.

Compounders' Grievances.—Complaints that despite representations by the Association and publicity given to the matter in the newspapers, compounding of medicine was still being done in some institutions by unqualified people were made at the annual general meeting in Dublin, of the Irish Dispensary Compounders' Association.

SCOTLAND

Rotary Club Address at Dunfermline.—Mr. T. C. Miller, M.P.S., Dunfermline, addressed Dunfermline Rotary Club recently on "Random Reflections of a Pharmacist."

Lecture on Poisons.—Mr. A. I. Ronder, M.P.S., superintendent chemist of Dunfermline Co-operative Society, Ltd., addressed the Dunfermline Co-operative Men's Guild on March 25 on "A history of poisons throughout the ages."

Aberdeen Pharmacists' Club.—The Aberdeen Pharmacists' Social Club held its inaugural meeting in the Royal Athenæum on March 25. Mr. R. E. Hunter (chairman) gave an address on "The History of Pharmacy." Mr. H. J. Fraser presided and a vote of thanks was moved by Mr. H. Hughson.

TOPICAL REFLECTIONS

Present-day Therapeutics

The series of articles begun on page 251 of your last week's issue on recent developments in therapeutics is welcome. Some of us keep in touch with medical research less diligently than we used to do: others even pass it by. This is regrettable for more than one reason. We cannot discuss therapeutical subjects intelligently with medical men unless we know something of what is going on in pharmacology. Again, I make bold to claim that outside the profession of medicine only a pharmacist can appreciate an article such as these contributed by Dr. Prescott. There was a time when any patient of good general education could, if ill, discuss his symptoms with his doctor on a fairly equal footing. That time has gone by. Pharmacists, however, know more of the chemistry and biochemistry associated with pharmacology than the average medical practitioner does. That being the case, it would be foolish to let slip any advantages we possess in this respect. Without attempting to elaborate any of the matters lucidly set forth by Dr. Prescott, I may record the pleasure with which I resumed acquaintance with our old friend digitalis, seldom absent for long from pharmaceutical journalism. Another returned wanderer—this time after a considerable interval, I think—is the word "analeptic," a word derived by medical latinists from a Greek verb that has, actually, a wider range of meaning than the retrieving or restoration here signified.

A Licensing Proposal

The establishment of a new business, difficult enough after the last war, is likely to be even more difficult after the present war. I need only mention as evidence of this the heavy taxation with which we shall be burdened for an indefinite period. Trading conditions, indeed, may then be so onerous as to amount to a kind of commercial black-out. Any proposal like that of Mr. R. C. Deith (p. 256) is sure of careful consideration by the trades concerned—presumably all retail trades. Legislation would no doubt be essential: some owners of property study the interests of existing shopkeepers, but others do not. If anything of the kind is being planned, the question of proportion of shops

to population will arise. You have occasionally published estimates of the number of customers needed to enable a chemist, a draper, an ironmonger and so forth to earn a living. As far as I remember, such estimates have so far been personal and uncorroborated: something more is needed to form an agreed statistical basis. By whom, and under what auspices, will an inquiry of this type be undertaken? Conditions vary so much from district to district that the inquiry will have to be of national scope, will take some time and will involve an appreciable cost.

Possible Inspection of Food

To your comments on the Food (Inspection of Undertakings) Order (p. 249), I may add that, if, in official circles, it is thought that anything is to be gained by roping in the definition of food given in the Food and Drugs Act of 1938, quoted on p. 241 of your current *Diary*, we may be fairly certain that the definition will be used as a weapon against traders. That definition seems to me to be a striking example of legislative obscurity. It begins, it will be noticed, with the question-begging statement that a food is "any article used as food"; and the addition of the words "or drink for human consumption other than drugs or water" does not throw much light on the nature of the entity "food." Assuming, however, that we already know or can guess what food is for the purposes of the Act, we are next told that a food includes (a) any substance intended for use in the composition or preparation of food; (b) any flavouring matter or condiment; (c) any colouring matter intended for use in food. Then we are informed that "notwithstanding anything in this definition, the addition of any colouring or flavouring matter or condiment to an article used as food or drink shall be deemed to be the addition of a substance to food." The logical inference seems to be that while substances in clause (c) are only food when not incorporated in any food, it is not clear whether substances in (b) exhibit a single or a dual nature. A confusion of this kind can, as a rule, be unravelled only by a High Court. The practical point of this brief analysis is that any regulations issued under the new Order may well involve complications.

Xrayser

LEGAL REPORTS

Security for Costs.—An appeal for security for costs of an appeal by Mr. Alfred Moore Hogarth, a manufacturing chemist, from a decision of Mr. Justice Greaves-Lord, on January 24, in an action by Mr. Hogarth against Pharmaceutical Products, Ltd., and Savory & Moore, Ltd., was before the Court of Appeal on April 2. On the application of Mr. O'Malley, for Mr. Hogarth, the matter was adjourned for a fortnight to enable Mr. Hogarth to put in affidavit evidence in answer to affidavit evidence by the respondents to the appeal. The action in the King's Bench Division was for alleged breach of contract in regard to advertising the product N.D.K. iodised dental colloid, and judgment was given for the defendants.

Fruit Laxatives Prosecution.—Before the Dewsbury (Yorkshire) magistrates on March 28, United Chemists' Association, Ltd., Cheltenham and London, were summoned by Mr. F. T. Harrison, an assistant sanitary inspector to the Dewsbury Corporation, for two offences under the Food and Drugs Act, 1938—selling a drug not of the nature, substance or quality demanded by the purchaser and selling a drug in a wrapper or container falsely describing the drug or calculated to mislead the purchaser that it was of the substance, nature or quality demanded. The drug in question was described as Ucal Fruit Laxatives in 7½d. boxes. Mr. Geoffrey Veale appeared for the prosecution, and Mr. Walter Frampton for the defendant company. Mr. Frampton also represented Mr. J. W. Phillips, Daisy Hill, Dewsbury, the chemist from whom the purchase was actually made. Pleas of not guilty were entered.

Mr. Veale alleged that the cause of complaint was that whereas the goods were described as "fruit laxatives," they were found on analysis to contain no fruit at all, and in consequence "fruit laxatives" was a misdescription. From the title "fruit laxative," one would expect that the goods were mainly composed of fruit or that fruit at least was contained in them and that the purchaser would be getting fruit. When it was further indicated that the word Ucal was a sign of reliability, that should dispel any lingering doubt, especially when the words appeared, "every preparation bearing the trade mark Ucal can therefore be relied upon to be absolutely pure and exactly what it is represented to be," and there was a picture of apples and other fruit displayed, the facts were that on December 2, 1939, Mr. Harrison, an assistant sanitary inspector to the Dewsbury Corporation, visited the shop of Mr. Phillips, in Daisy Hill, Dewsbury, and asked for three tins of Ucal Fruit Laxatives for which he paid s. 10½d. After indicating that he intended having the contents analysed, he emptied the tins, mixed the contents into three heaps, giving one heap to Mr. Phillips and retaining the other two. One of these, he sent to the public analyst, whose certificate showed that the laxatives contained phenolphthalein, sugar, pink-colouring, and moisture, but no trace of fruit. Mr. Veale added that the public analyst had made certain observations as to the effect of the drug, but as the defence had not given notice requiring him to be called, he would content himself by submitting his certificate.

Mr. Frampton said that because notice had not been given by the defence for the presence of the public analyst, the magistrates were not entitled to assume that the contents of the certificate must be admitted without question. He had not given notice because he did not intend to cross-examine the analyst, but he was prepared to submit evidence of other experts as to the composition of the laxatives and also upon the properties of the drug phenolphthalein. But he had other submissions to make. In the first place, defendants were summoned for selling by the hands of Mr. J. W. Phillips, but the summons was wrong in form, for Mr. Phillips was not an agent of defendants, and they had no control over him. He bought the goods outright, and from that time they were not responsible for what he did with them. A further point was that Mr. Phillips bought the goods in October 1937, but the Act under which the proceedings were taken was the 1938 Act, which came into operation in October 1939, so that Mr. Phillips bought the laxatives from defendants two years before the Act came into force. Defendants could not know whether Mr. Phillips still had the goods or whether he had sold them, and they were unaware that he was still offering them for sale. Even if defendants accepted the position that the laxatives were as stated by the public analyst, having sold them two years earlier they had no control over them. Had they known that Mr. Phillips was selling them, they might have asked him to return them and got the goods re-labelled, but otherwise

they had no remedy. He submitted that the summonses were wrongly formed. A further defence was that the laxatives were a proprietary article. The purchaser asked for them by name and was given them. But in addition, there was a complete divergence of views as to the contents of the laxatives. The public analyst had suggested that phenolphthalein was "a dangerous drug," but it was not scheduled under the Dangerous Drugs Act, and many doctors and authorities recommended it for delicate people and even women who were pregnant, and also for children. Indeed, said Mr. Frampton, the only complaint which had been received was from travellers who said that there had been suggestions that the laxatives were not strong enough. The sample which Mr. Phillips had retained, Mr. Frampton assured the magistrates, had been analysed by Mr. Ellis, the public analyst of Gloucester, who found 3 per cent. of cream of tartar, which was derived from the fermentation of grapes, and could fairly be described as a fruit product, and also lemon flavouring.

Mr. Harold Miller, of South Wood Lodge, Prestbury Road, Cheltenham, managing director of the defendant company, said that none of the tins of laxatives had been supplied to Mr. Phillips since 1937, and arrangements had since been made to alter the design of the tin to incorporate the words "fruit flavoured" instead of "fruit." Mr. Phillips said that the tins were supplied to him in October 1937.

The chairman, before further evidence was called, said the magistrates found in fact there was no sale, as such, by defendants to Mr. Harrison, and the summonses must fail.

COMPANY NEWS

P.C. means Private Company and R.O. Registered Office

ALEX. J. WEBB & Co., LTD. (P.C.).—Capital £325. Objects: To carry on the business of manufacturers of, agents for and dealers in optical, surgical, dental, orthopaedic instruments, appliances, etc. J. E. Ormandy, 37 Worcester Road, Woodthorpe, Notts, director.

COSMETIC RESEARCH LABORATORIES, LTD. (P.C.).—Capital £300. Objects: To carry on the business of wholesale and retail dealers in cosmetics, toilet preparations, perfumes, etc. Ambrose Brown, 63 Braganza Street, London, S.E.1, and Moss Spiro, 16 Ashworth Mansions, London, W.9, directors. R.O.: 80B Dean Street, London, W.1.

ALEXANDER & FOWLER, LTD. (P.C.).—Capital £5,000. Objects: To acquire the business of a surgical instrument maker and dealer formerly carried on by G. Fowler (trading as Alexander & Fowler) at 59 Pembroke Place, Liverpool. G. Fowler (governing director) and J. D. Gray, directors. R.O.: 59 Pembroke Place, Liverpool.

MILLER BROS. (CHURCH), LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of drysalts, manufacturers of and dealers in chemicals, etc. Rhoda Miller, 92 Monk Street, Accrington, Stephen Miller, 92 Monk Street, Accrington, George E. Miller, 42 Countess Street, Accrington, John W. Booth, Bennett Close, Wiswell, Whalley, directors. R.O.: Dineley Street, Church, Lancs.

MACKS CHEMISTS, LTD. (P.C.).—Capital £100. Objects: To acquire the business of a pharmaceutical chemist carried on by N. R. McGarry at 282 Staines Road, Hounslow, as "Bailey & Burbidge." Norman R. McGarry, 5 Fulstone Close, Hounslow, pharmaceutical chemist, and Bertram J. W. Chambers, 164 Stanway Road, Shirley, Warwickshire, directors. R.O.: 282 Staines Road, Hounslow.

J. LEONARD & Co. (CHEMISTS), LTD. (P.C.). Registered in Dublin.—Capital £6,000. Objects: To acquire the business of chemists, druggists and perfumers now carried on at 19 North Earl Street and 36a Talbot Street, Dublin, as "J. Leonard & Co." Mrs. Ethel McWalter, 264 North Circular Road, Dublin, John Crowley, 159 Howth Road, Clontarf Dublin, Mary J. Shannon, Elizabeth Shannon, and James J. Craig, directors.

R. B. TURNER & Co., LTD. (P.C.).—Capital £10,000. Objects: To acquire the business of manufacturer and dealer in scientific and chemical apparatus, surgical and dental instruments, druggists' sundries, etc., carried on by Minnie Turner at 9-11 Eagle Street, Holborn, W.C.1. Minnie Turner (permanent director), address not stated, Wm. M. England, 59 Granville Road, Hillingdon Park, Middlesex, and Marie Evans, 58 Grasmere Road, London, N.10, directors. Solicitors: Wiley & Powles, Princes House, 39 Jermyn Street, London, S.W.1.

NEW IMPORT ORDERS

THE Board of Trade has issued the Import of Goods (Prohibition) (No. 12) Order, 1940, dated March 19, 1940, under which importation into the United Kingdom of the goods mentioned below is prohibited, except (a) when these goods are imported under licence granted by the Board of Trade; (b) if the goods were dispatched to the United Kingdom before the date shown at the commencement of the relevant paragraph; or (c) if the goods have been consigned from the Channel Islands. Only those articles of interest to the drug trade are included.

MARCH 21, 1940.—Grain, edible or potable grain products and by-products,* farinaceous substances of kinds used as food or drink, and edible or potable preparations made wholly or partly from the foregoing, except spirits; starch and preparations made wholly or partly therefrom; oleaginous seeds, nuts, kernels* and fruit,* whether whole or not and whether prepared or not; oils, fats and greases other than those wholly or mainly of mineral origin*; fruit, fresh, raw, dried or preserved (including fruit pulp); fruit juices*; fruit pectin.*

SEPTEMBER 5, 1939.—Hops, hop oil and extracts or other similar preparations made from hops.

MARCH 21, 1940.—Milk, preserved milk and edible or potable milk products of all kinds; lactose; isinglass,* gelatin and agar agar.*

MARCH 21, 1940.—Cocoa, raw, and cocoa butter, husks and shells.*

SEPTEMBER 5, 1939.—Table waters.*

MARCH 21, 1940.—Sugar, molasses and glucose; saccharin (including substances of a like nature or use).

SEPTEMBER 5, 1939.—Honey.*

MARCH 21, 1940.—Edible or potable preparations (except spirits and wine) made wholly or partly from any of the following substances: coffee, chicory, cocoa, sugar, molasses, glucose, saccharin (including substances of a like nature or use); liquorice; spices and other food flavouring materials; vinegar*; yeast,* whether dead or live, and edible or potable extracts from yeast.

MARCH 21, 1940.—Feeding stuffs for animals.

SEPTEMBER 5, 1939.—Fruit juices,* other than citrus fruit juices and grape juice and grape must.

SEPTEMBER 5, 1939.—Ginger preserved in sugar or syrup.*

SEPTEMBER 5, 1939.—Yeast.

JANUARY 20, 1940.—Lard, refined or unrefined.*

DECEMBER 27, 1939.—Oils, fats and greases derived wholly from animals (other than marine animals), except butter, lard and foot oils.

NOVEMBER 20, 1939.—Pepper, whether ground or not.*

* The articles marked with an asterisk are included in an open general licence (see below).

Open General Licences

The Import of Goods (Prohibition) (No. 12) Order, detailed above, is designed to enable the Ministry of Food to secure a proper control of the various commodities, in order to regulate the trade in the manner best calculated to serve the national interest. For many of the commodities mentioned in the Order an open general licence has now been issued (Notice to Importers, No. 52), permitting importation without separate licences. This open general licence, particulars of which (so far as the drug trade is concerned) are given below, replaces all previous open general licences, and enables the following commodities to be imported without separate licences:—

GOODS CONSIGNED FROM ANY COUNTRY.—Arrowroot, tapioca, cassava and mandioca; isinglass and agar agar; malt extracts; cod liver oil; vinegar; yeast; meat extracts and essences.

GOODS CONSIGNED FROM EMPIRE SOURCES (except Hong Kong).—Apricot and peach kernels; fruit juices; fruit pectin; ginger preserved in sugar or syrup; honey; pepper, whether ground or not.

ALL GOODS CONSIGNED FROM EIRE (except the following).—Refined or unrefined lard; compound or imitation lard; condensed milk and milk powder.

GOODS CONSIGNED FROM FRANCE, ALGERIA OR TUNIS.—Angelica (as confectionery); mustard; table waters.

CO-OPERATE WITH THE ADVERTISER

IN times of national emergency, it is more than ever necessary that there should be the closest possible co-operation between every link in the selling chain; and chiefly between the manufacturer and the retailer. This leads to the point which should engage the close attention of every shopkeeper—the influence on retail turnover of manufacturers' advertising, and how the retailer can obtain the fullest benefit from it.

One hears so often the disgruntled remark: "Oh, So-and-So are advertising again. Pity they don't put the money into extra discounts, and so encourage stockists to push their goods." This remark, of course, dates back to the early days of advertising, when retail trading was not so much a matter of competition as it is today, and when the policy of creating public demand was in its infancy. Nowadays, however, the shopkeeper appreciates the publicity given to him by his suppliers, and realises that, by advertising to the public, manufacturers are actually helping to put money into his till. How, then, can the retailer cash in on advertised goods? He can do so in a variety of ways. For example: (1) By "pushing" them in preference to non-advertised goods of equal quality; (2) by taking full advantage of every advertising aid the supplier can provide—window-displays, showcards, business literature, etc.; (3) by "keying up" with suppliers' advertising campaigns, so as to obtain the greatest benefit from them; (4) by giving a patient hearing to advertisers' representatives, thus keeping *au fait* with what is being done by the manufacturer to help clear the goods off his shelves.

On the matter of co-ordinating effort, the retailer need not necessarily rely entirely on the information sent to him by the manufacturers. It is a common experience for people to go from shop to shop in a vain endeavour to obtain a newly-introduced line. When this happens, the non-stocking retailer has three courses open to him, all of which might have been obviated had he been better prepared for the demand: (1) He can offer a substitute from stock—always a doubtful expedient; (2) he can send the shopper away empty-handed, thus forcing him to go elsewhere; (3) he can offer to procure—which, of course, means trouble and delay. In the advertising columns of the leading trade and other publications readers can keep up to date in

what is being done by advertisers to push the sales of their goods—either by outlining publicity schemes, or by offering special inducements, reductions, or discounts.

Obviously, when a producer advertises in the public newspapers that such-and-such a product of his has superlative or unique qualities, his object is to set the reader of the advertisement hot-foot on the trail of that article. And so the reader makes it his business to scout round to examine or purchase it. But, often, there is a pause outside a likely-looking shop, as buying resistance rears its head, and then there is the thought: "I wonder if I can get it here!" The shop window is eagerly, but vainly, examined, and, on the point of entering, the shopper notices a display of the very articles in a window on the other side of the road. Thus, a sale is lost—one, perhaps, which might easily have turned a casual shopper into a permanent customer.

Contact with suppliers' representatives has a strong bearing on this subject of co-operation with the advertising appeal.

If the firm a man represents be sufficiently enterprising, he will be equipped with printers' "pulls" of all proposed Press advertisements, and accordingly, the shopkeeper will do well to ask for supplies of literature for the counter, cut-outs and back-grounds for the shop-windows, and showcards.

The manner in which the publicity matter will be used raises an important point. Far too many retailers accept such offerings too freely, without giving a thought to their value to themselves. Exquisitely-produced backgrounds and cut-outs have been left to litter the stock-rooms; expensive showcards have been used, before today, by retailers as draught excluders or to patch up broken windows at the back of the shop. Yet any one of those cut-outs or showcards might have proved a powerful sales-aid had it caught the eyes of shoppers. Many counter leaflets or booklets which have been used as scribbling pads by shopkeepers or assistants might have produced extra sales.

The pity of it all is that many a shopkeeper does not seem to realise that the waste so occasioned is not only depriving the manufacturer of the material as publicity, but is also standing in his own way to quicker—and, therefore, more profitable—sales which these advertising-aids would have brought.

NATIONAL PHARMACEUTICAL UNION

Annual General Meetings

THE thirty-ninth annual general meeting of the Chemists' Defence Association, Ltd., was held at 4 Queen Square, W.C.1, on March 27. Mr. Pugh Davies was in the chair. The annual report, statement of accounts and balance sheet were presented and adopted. The following members were elected directors of the company:—

J. Hague	S. J. Stearn	D. A. Bryan
J. Hearle	W. J. Tristram	B. Pugh Davies
T. Heseltine	C. J. Yeates	Arthur Dobson
H. H. Marshall	E. A. Atkins	J. Evans
A. R. Melhuish	W. W. Atkinson	W. Forster
W. I. Scholes	E. A. Brocklehurst	J. E. French

Mr. Melhuish proposed a vote of thanks to the retiring chairman, Mr. Tristram seconded, and it was carried with applause. Mr. Pugh Davies replied briefly and thanked the directors for the full measure of support they had given him during his year of office.

The nineteenth annual general meeting of the National Pharmaceutical Union was held at 4 Queen Square, on March 27, with Mr. Pugh Davies in the chair. The chairman gave a *résumé* of the year's work of the Union and presented the annual report for acceptance, which was proposed, seconded and carried unanimously. The treasurer, Mr. A. R. Melhuish, presented the statement of accounts for the past year and moved their adoption, which was carried. A vote of thanks to the chairman was proposed and seconded and carried with applause. In reply Mr. Pugh Davies thanked the members for the full measure of support they had given him during his year of office, and expressed the thanks and appreciation of the Executive to the secretary and his staff for the manner in which they had carried out their duties during the past year.

Executive Meetings

Meetings of the Executives of the National Pharmaceutical Union and Chemists' Defence Association were held at 4-5 Queen Square, London, W.C.1, on March 27, Mr. B. Pugh Davies in the chair.

N.H.I. MATTERS

A resolution from the Middlesex Pharmaceutical Committee directing attention to the increasing cost of containers was received and noted for attention in connexion with the general review of increasing establishment charges. A letter from the West Riding Pharmaceutical Committee thanking the Committee for the efficient service provided in the interests of panel chemists was also received.

HOURS OF CLOSING

The views of the Executive were sought by the Early Closing Association on a request made to them that a campaign should be initiated to secure a reduction of the general closing hours for shops by one hour per day, and for obtaining power for a majority of any trade to reduce the hours still further, but to a closing hour not earlier than 6 p.m. After a full consideration of the matter, it was decided to inform the Association that the Union would, in present circumstances, support a movement to secure the advancement of the general closing hour in the provinces by one hour per day but that it was felt that the present position under the Shops Acts should be maintained in London. The secretary explained that the fixing of an earlier general closing hour would not affect the exemption in the Shops Acts under which medicines and medical and surgical appliances may be sold after the general closing hour.

ORGANISATION

A report on the organisation work undertaken by the local organisations officer in the preceding month was presented. The main item dealt with was propaganda work undertaken in the area of the Leicester branch, which terminated with a well attended meeting of the Branch, at which members from the country districts were well represented.

BLEACH OINTMENT

A reply from the Ministry of Home Security to representations made by the Union, urging that the title "ointment" should not be used for this preparation in view of the likelihood of its causing

confusion in the mind of the public as to the mode of use, was received. The Ministry was of opinion that the practical purpose and mode of use of the preparation is generally understood and that any change would be more likely to increase rather than diminish the chances of confusion.

ANGLO-FRENCH AMBULANCE CORPS

It was reported that an appeal for financial support for the Anglo-French Ambulance Corps was to be made in pharmaceutical circles, and it was decided that the appeal should be endorsed by the Union.

N.P.U., Ltd.

At a meeting of directors of N.P.U., Ltd., the signing and sealing of the C.F. Agreement with Stanning Proprietaries, Standbrook House, 2-5 Old Bond Street, London, W.1, was authorised.

C.D.A. Matters

A report was presented to the directors on the outstanding claims made against members. There were thirty-four such claims in all and in twenty-one of them there had been no developments since the previous meeting in February. Settlements were approved in eight cases. The remaining claims were left in the hands of the secretary.

POLICE COURT CASES

The secretary reported that three members had been defended against summonses under the Lighting Restrictions Order for allowing light to be visible outside their business premises during the black-out period. In each case a fine had been imposed. A member had been defended against a number of summonses issued for offences under the Dangerous Drugs Act; fines totalling £11 had been imposed. Another member defended against similar summonses had been fined £10.

The Chemists' Friends Council

A meeting of the Chemists' Friends Council was held at 4-5 Queen Square, London, W.C.1, on March 19, Mr. S. J. Stearn in the chair. An application received from Stanning Proprietaries, Standbrook House, 2-5 Old Bond Street, London, W.1, for the inclusion of their products in the C.F. list was considered and accepted. A similar application received from another manufacturer was also considered but not accepted owing to the inadequate profit shown to the retail distributor. Applications were received from four wholesalers for the inclusion of their names in the list of Approved Distributors by Wholesale of C.F. goods, of which the following was accepted: Brown Gray & Co., Ltd., Glasgow. Acting upon the recommendation of the Ulster Chemists' Association, authority was given to transfer the name of Fred Storey, Ltd., Belfast, from Section B to Section A of the Approved Wholesalers list. The Council further considered the extension of the C.F. movement to Scotland and the position of those wholesalers and manufacturers whose business is confined to Scotland. A report of the Propaganda Committee which had met earlier in the day was received, and the programme of propaganda work suggested for the ensuing month was approved. Arrangements were made for the revision of the list of Approved Distributors by Wholesale of C.F. goods.

COMING EVENTS

Tuesday, April 9

Pharmaceutical Society of Great Britain, 17 Bloomsbury Square, London, W.C.1, at 7.30 p.m. Lecture by Dr. C. H. Hampshire, M.B., B.S., B.Sc., Secretary to the British Pharmacopoeia Commission, on "Pharmacopoeia Revision."

Wednesday, April 10

Birmingham College of Pharmacy Past Students' Association, Imperial Hotel, Temple Street, Birmingham, at 6.30 for 6.45 p.m. Annual reunion dinner. Members of local branch of Pharmaceutical Society invited. Tickets 6s. each.

Thursday, April 11

Manchester Pharmaceutical Association, Victoria Hotel, Manchester, at 8.30 p.m. Annual meeting and election of council and officers.

Leeds Branch, Pharmaceutical Society, Metropole Hotel, Leeds, at 8 p.m. Dr. C. H. Hampshire (secretary, Pharmacopoeia Commission) on "The British Pharmacopoeia: Its Relation to Pharmacy."

ECONOMY IN PHARMACEUTICAL MATERIALS

THE Ministry of Health has issued the following statement on the use of sugar, citric acid, etc., in medicines. It was prepared by the Therapeutic Requirements Sub-committee of the Medical Research Council and agreed with the Ministry of Food.

Sugar

The present national situation in relation to supplies of sugar was recently reviewed publicly by the Minister of Food, who gave reasons for the control of this commodity and for restrictions on the amount to be used. The present position requires that the supplies of sugar should be directed into the forms in which they are most useful as foods. The quantities of sugar used annually in preparing medicines are considerable and a definite restriction in this way would be helpful to the country. The Ministry of Food has allowed, for the time being, a full ration of sugar for medicinal purposes but has made the concession on the understanding that considerable economies will be made voluntarily by the medical and pharmaceutical professions. Otherwise rationing will have to be introduced. This being the case, members of the medical profession are urgently requested to restrict their prescriptions for preparations containing sugar to those cases in which such preparations are essential. A survey of official preparations and standard prescriptions shows that the prescribing of preparations containing sugar could be restricted almost entirely to medicines for children without any serious loss of therapeutic efficiency. An appeal is made to the medical profession generally to bear the difficulties of the situation in mind when writing their prescriptions. It is to be hoped that by voluntary effort in this way the quantity of sugar used in making medicines may be reduced, so that it will be possible to maintain the present formulæ for pharmaceutical preparations. The alternative is rationing of pharmaceutical manufacturers with the consequent necessity for altering the formulæ of the British Pharmacopœia and the British Pharmaceutical Codex by removing sugar and substituting some other sweetening agent. The alteration of official formulæ is undesirable. Syrups which are used merely for flavouring purposes—orange, lemon, ginger, and possibly tolu—might well be omitted from prescriptions. Certain tonic syrups, such as Easton's, compound glycerophosphates, and compound hypophosphites, could be prescribed in the form of the equivalent tablets, which are readily available.

Citrates

Citric acid is now manufactured chiefly from sucrose by a biological method and the necessity for the conservation of stocks of sugar has given rise to difficulty in regard to supplies of citric acid and citrates. Prescribers would be wise to restrict their use of citric acid and citrates to cases in which they are essential.

Cod Liver Oil

While it is understood that sufficient cod liver oil is at present available to meet all reasonable medical requirements, it cannot be stated with certainty that this position will be maintained, and in order to conserve supplies it is clearly desirable that the strictest economy should be observed in its prescription and administration. The value of cod liver oil can be ascribed to its content of vitamins A and D. The maximum effective daily dose of vitamins A and D is contained in about three teaspoonfuls of the oil and no useful therapeutic purpose will be served by exceeding that dose. In most cases it is found more satisfactory and economical to administer the oil without admixture rather than in the form of an emulsion or in combination with malt extract. Cod liver oil provides a convenient way of administering vitamins A and D, but any edible oil containing the necessary vitamins would be satisfactory as a source of these vitamins if it were required to conform to a recognised specification. In this connection it is understood that the British Pharmacopœia Commission have in course of preparation, and purpose shortly to make official, a specification for a vitaminised oil containing vitamins A and D in a suitable edible oil.

Starch and Fats

Starch, animal fats, and vegetable oils and fats are controlled by various Orders and Departments of the Ministry of Food, but special privileges have been extended to the medical and pharmaceutical professions to allow of the use of these substances for therapeutic purposes. Efforts will be made to ensure that sufficient pure leaf lard will be available for all legitimate medical

purposes but it is desirable that substitutes should be used wherever possible. Moreover, whereas early Orders prohibited the use of vegetable oils and fats for any purpose except food, permission has now been given to allow the use of any of the following oils for the purpose of the preparation of any medicine or medicament for internal and external use—coconut oil, cotton seed oil, gingelly (sesame) oil, groundnut (arachis) oil, linseed oil, maize oil, olive oil, palm oil and soya bean oil. Liquid paraffin, soft paraffin, both white and yellow, and hard paraffin or paraffin wax are governed by the various Rules and Orders issued by the Petroleum Board, but for the present sufficient supplies are available for medical purposes. The medical and pharmaceutical professions, having been spared the burdensome procedures associated with rationing, should exercise every economy in all the articles referred to in this paragraph. There are few large hospitals and dispensaries, for example, in which it would not be possible to reduce greatly the consumption of liquid paraffin, without detriment to the patients.

TRADE NOTES

BONUS OFFER.—Prichard & Constance (Mfg.), Ltd., Boston Manor Road, Brentford, are making a bonus offer in connexion with Amami shampoos.

SPONGES.—Thomas Swales, St. Stephen's Road, Leeds, 9, gives details of the prices at which he is offering fine Turkey and honeycomb sponges in his advertisement in this issue.

CONCENTRATED RADIOSTOLEUM FOR INJECTION.—The British Drug Houses, Ltd., Graham Street, City Road, London, N.1., have introduced a new preparation in the form of Concentrated Radiostoleum for injection. It contains 75,000 international units of vitamin A and 15,000 international units of vitamin D in each gram; is issued in 1 c.c. ampoules in boxes of six.

DRENE DISPLAY AWARDS.—Thomas Hedley & Co., Ltd., have just announced the results of the Drene Shampoo window display contest. The first prize (£100) went to Welwyn Stores, Ltd., Welwyn Garden City, Herts; the second (£50) to S. T. James, M.P.S., 420 Hoe Street, Walthamstow, E.17; and the third (£25) to Oliver J. Shivas, 124 Winson Green Road, Birmingham. Fifty consolation prizes of £1 were also awarded.

QUINACRINE AND PRAEQUINE.—Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, have sent us a copy of their booklet on Quinacrine and Praequine, two important synthetic drugs for malaria treatment which have only been produced in this country since the outbreak of war. The combined therapy of these two preparations offers considerable advantages over the old quinine method of treating malaria. The duration of treatment is shortened, relapses are fewer, and the undesirable side effects of quinine are avoided. Quinacrine is the schizonticidal agent first given to deal with the acute attack, and Praequine is administered later to prevent relapse. We understand that a copy of the booklet will be sent to any medical practitioner, enclosing, if desired, a letter mentioning the pharmacist who has made the request.

Proprietary Articles Trade Association

Additions to Protected List.—Evan-Williams Co., Ltd., Dandruft Remover Shampoo, 6d., 4s. doz. **NOTE:** This article was inadvertently omitted from the P.A.T.A. Year Book for 1940. *Stanning Proprietaries*, Stanlast Self-Adhesive Bandages (2 yard stretched lengths), 1 in. 7½d., 4s. 6d. doz.; 1½ in. 9d., 5s. 10d. doz.; 2 in. 1s., 7s. 8d. doz.; 2½ in. 1s. 3d., 9s. 3d. doz.; 3 in. 1s. 6d., 11s. 3d. doz. **NOTE:** The Stanlast Bandages recently added to the Protected List are five yards stretched length. *C. H. White, Ltd.*, Fru-tuss (Cough Cure), 1s. 3d., 10s. 6d. doz.; 3s., 25s. 3d. doz.; 3 doz. assorted less 5 per cent. in return for window show.

Alterations.—L. T. Flittner.—The minimum retail price of Patchoid has been increased from 5s. 6d. to 6s. The minimum wholesale price of 48s. per doz. remains unchanged. *Jeyes Sanitary Compounds, Ltd.*, Jeyes Sanitary Powder (dredger tins), 1 lb. 7d., 4s. 8d. doz.; 2 lb. 1s., 8s. doz. *The Western Dental Manufacturing Co., Ltd.*, Sotol Mouth Wash Tablets, Prescription pack, 3s., 27s. doz.; 26s. 1d. doz. by 1 gross and over. *Parke, Davis & Co.* **CORRECTION:** Easton Syrup tablets, (S.C.T. 721): On page 217 of the P.A.T.A. Year Book for 1940, 25's have been misprinted as 52's.

MARRIAGES

Notices for insertion in this column must be properly authenticated

BRAYSHAW—STEWART.—At St. Paul's Church, Stayley, on March 20, Kenneth Brayshaw, M.P.S., 1 Oakwood Avenue, Henshaw, Manchester, to M. A. R. Stewart.

FRANCE—JENNINGS.—At Bingley, Yorks, Parish Church, recently, Harry W. France, M.P.S., to Edna Jennings.

McKINNELL—LOWE.—At St. Cuthbert's Parish Church, Blake, Doncaster, on March 24, William McKinnell, M.P.S., Eva Lowe.

PRITCHARD—McKAIL.—At St. James's Church, Didsbury, recently, Frank W. Pritchard (director of Pritchards, Ltd., manufacturing chemists, Cheadle) to Jean McKail.

DEATHS

BROWN.—At "Glenash," Giffnock, Glasgow, on March 29, J. W. Ritchie Brown, M.P.S., (a member of the representative staff of The British Drug Houses, Ltd.), aged sixty-three. Mr. Brown, joined the firm of Barron, Harveys & Co., in 1904, and presented that firm and the B.D.H. in the North of England from that time until his death.

CROCKHART.—Suddenly, at Brechin Infirmary, on March 21, Martha Jane Lamb, wife of William Crockhart, chemist, Brechin.

CUNDALL.—Recently, Mr. Thomas Bowser Cundall, M.P.S., Cucklington, aged sixty-eight.

HAM.—Recently, Mr. William Ham, chemist and druggist, Margaret's Road, East Twickenham, aged ninety-five. Mr. Ham passed the Modified examination in 1870.

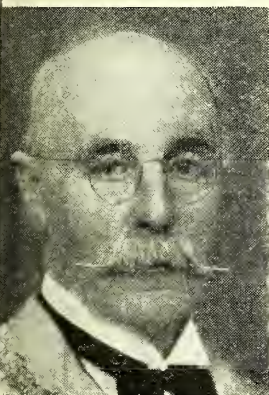
LONG.—On March 26, Mr. Ernest Andrew Long, M.P.S., 60a Grove Road, Eastbourne.

LOW.—At a nursing home in Edinburgh, on March 28, Mr. John Grieve Low, M.P.S., Kirkcaldy. Mr. Low passed the hon examination in 1900.

MORISON.—At 10 St. Peter's Buildings, Edinburgh, on March 28, Mr. John Morison, M.P.S., Dundee Street, Edinburgh, aged eighty.

NEWTON.—At Newlee Cottage, Thatch Leach Lane, Whitefield, Manchester, on March 20, 1940, Captain Arthur Newton, aged seventy-four. In 1885, Mr. Newton emigrated to Canada,

and was employed in a logging camp by the Canadian Pacific Railway, afterwards working in a Canadian drug store. He returned to England in 1888, and commenced business in a drug store. From 1890 to the end of 1939, he represented various wholesale houses, being well known in the Manchester area as the representative of Oldfield, Pattinson & Co., for thirty-six years. His hobbies were the collection of antique pottery, books and prints, fishing and shooting. During the 1914-18 war he was responsible for the formation of the Lancashire Volunteers from the members of the Manchester rifle club.



CAPTAIN ARTHUR NEWTON

He eventually attained the rank of captain, and was granted the permanent honorary rank of captain on retiring in 1919. He obtained the diploma of the F.B.O.A. in 1923. Captain Newton was a prominent Mason, being P.M. of West Salford Lodge, No. 3867, the founder, in 1920, of the Manchester, Salford and District Pharmaceutical Masonic Association, and secretary until 1935. At the interment at Prestwich Parish Church, after the customary committal, Wor. Bro. Wild conducted a Masonic service at the graveside. Among those present were Mr. Keeler Oldfield (Oldfield, Pattinson & Co.), and representatives of the Manchester, Salford and District Pharmaceutical Masonic Association, the West Salford and other Lodges, Potter & Clarke, Ltd., and Hirst, Brook & Hirst, Ltd.

Mr. H. Woodhead, M.P.S., Eccles, writes: Mr. Arthur Newton was well known to Manchester and Lancashire pharmacists as representative of Oldfield, Pattinson & Co., Manchester, for over thirty-six years,

and it will come as a shock to many to learn that he has passed away. He was looked upon as the "Father" of representatives in this area both in years and length of service. He was one of the "Old School," and one of the last I should think to discard the one-time indispensable silk hat, but he always maintained the manners of an English gentleman. He was never aggressive, he never told you what you ought to buy, but his knowledge and advice which he gave was good and sound. One wishes that his type was more prevalent today. Besides "over the counter," I knew him personally and frequently met him socially, and I marvelled at his versatility, his knowledge of military subjects, sport, angling, natural history, antiques, etc. To my mind his main achievement was at the age of sixty, he studied and qualified as an optician as F.B.O.A. and F.I.O. This was an example of his indomitable purpose and perseverance. His chief monument will be the Manchester and District Pharmaceutical Masonic Association. I and many others are thankful to have been associated with Arthur Newton and greatly deplore his passing.

SAGE.—At Merevale, Lostwithiel, Cornwall, on March 26, Mr. Edward Thomas Sage, M.P.S., aged seventy-seven. Mr. Sage, who was in business as a chemist in the town for a number of years, was Mayor of the borough in 1927. He was a churchwarden and a member of the Restormel Lodge of Freemasons. He leaves a son and daughter.

SMITH.—At Royal Infirmary, Edinburgh, on March 19, Mr. Thomas Mathie Smith, M.P.S., "Glenview," Selkirk. Mr. Smith had been ill for about three months. He was a native of Tranent, East Lothian. He went to Selkirk about forty years ago as manager of the business of A. J. Barthwick, qualifying in 1901. He became a partner and later sole proprietor. Mr. Smith took a keen interest in local affairs. He is survived by a widow and a son, Mr. Arthur Smith, who has been his partner in business for some time.

PERSONALITIES

MR. J. TOMLINSON, M.P.S., has been appointed to the board of Joseph Brooks & Co., Ltd., wholesale chemists, 42 Shudehill, Manchester, 4.

MR. W. P. ROBERTS, for many years associated with the medical stores contract work of the Crown Agents of the Colonies, is again suffering from a detachment of the retina. He is undergoing treatment and operations at Maidenhead Hospital and is unlikely to resume duties for some weeks.

RECENT WILLS

MR. GEORGE WALKER, Russell House, Birkenshaw, Bradford, retired chemist, who died on January 15, has left £2,232 11s., with net personality £1,881.

MR. ALBERT WILLIAM TOOHIG, M.P.S., Victoria Pharmacy, Narberth, Pembrokeshire, who died on December 29, 1939, left estate of the gross value of £9,099, with net personality £8,019.

MR. BENJAMIN WOOLSTENCROFT, 1 Caldly Buildings, Crewe Road, Nantwich, Cheshire, chemist and druggist, who died on January 10, left estate of the gross value of £1,288, with net personality £63.

MR. GEORGE BIRRELL CRUICKSHANK, 17 Fountain Road, Edgbaston, Birmingham (a director of R. Cruickshank, Ltd., chemical manufacturers), who died on January 2, left estate of the gross value of £28,998, with net personality £27,896.

MR. ALBERT ROBERT MORSON, 38 Elsworth Road, Hampstead, London, N.W.3 (senior director, Thomas Morson & Son, Ltd., manufacturing chemists), who died on October 7, 1939, left estate of the value of £5,301, with net personality £3,059.

MR. HENRY CHARLES BROWN, Yoxford House, King's Lynn, Norfolk, chemical manufacturer (managing director, West Norfolk Farmers' Manure & Chemical Co.), who died on November 16, 1939, left £41,339, with net personality £35,584.

MR. GEORGE DRUCE LANDER, D.Sc., 23 Ashford Road, Ten-Terden, Kent (formerly professor of chemistry and toxicology at the Royal Veterinary College), who died on October 25, 1939, left estate of the gross value of £2,078, with net personality £1,985.

MR. ARNOLD BERTRAM WITHERS, M.P.S., Fleetwood, Holland Road, Clacton-on-Sea, Essex, retired chemist and druggist (formerly in-business at Sudbury, Suffolk, and a director of the Sudbury Gas & Coke Co., Ltd.), who died on November 21, 1939, left £13,751, with net personality £10,619.



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'ALBUCID'
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TELEPHONE 24746

IMPORTANT NOTICE TO SUBSCRIBERS
CHANGES OF ADDRESS

During the period of the war it is important that notices of this nature should reach us not later than first post on the Monday morning prior to the issue which they are to affect. Notifications should be sent to—

The Circulation Department,
THE CHEMIST & DRUGGIST
THE PITMAN PRESS, BATH

• **WILCOX, JOZEAU** •

WHITE LION ST. N.1 LONDON.

FOREIGN PROPRIETARIES ?

• **TELEPHONES: TERMINUS 3088** •

BURROUGH'S
S. V. R.
FOR
TINCTURES

Write for Prices
Jas. BURROUGH Ltd. 1 Cale Distillery, Lambeth, S.E.11

BATTLE'S IN PACKETS
VERMIN 5d., 9d., 1/3, 2/6, 5/- P.A.T.A.
KILLER WHOLESALE AT 3/6, 5/6, 9/6, 18/6, 36/- per doz.

BATTLE'S IN BOTTLES
LIQUID 1/6, 2/9, 5/- P.A.T.A.
RAT WHOLESALE AT 12/6, 22/6, 45/- per doz.

EXTERMINATOR

Order some today from your wholesaler

A NEW AND REVISED
Chart of War Gases
IS NOW AVAILABLE

The latest information on this subject has been incorporated in the new edition of the C. & D. Chart of War Gases.

The Chart has been completely revised and new gases included. It is thus thoroughly up-to-date and provides in a concise and clear form a description of the chief poison gases—their effects and time action, and an outline of the First-Aid methods to be employed to casualties.

The reverse side of the Chart now contains important information on the detection of war gases.

Pharmacists will find it a useful guide in the course of their business. Customers interested in the purchase of air raid precautions goods will appreciate a copy for their own use.

Chemical manufacturers and firms engaged in all branches of the drug trade will find the chart of practical use in connexion with arrangements they make for air raid precautions, and it is suggested that copies of the chart should be distributed to their staffs. Reprints are available at the following prices, postage included:—

Printed on 1/Art Paper		Printed on White Card	
	s. d.		s. d.
12 copies ..	1 3	12 copies ..	2 9
25 copies ..	2 6	25 copies ..	5 0
50 copies ..	4 9	50 copies ..	7 9
100 copies ..	9 0	100 copies ..	13 6
250 copies ..	12 6	250 copies ..	21 6
500 copies ..	20 0	500 copies ..	32 6
1,000 copies ..	30 0	1,000 copies ..	47 6

Orders, together with remittance, should be addressed to The Publisher, THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2.

INFORMATION DEPARTMENT

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

D/14 Chlorophyne
A/31 G.R.L. Liniment

E/31 Jiffy dog foods

THE CHEMIST AND DRUGGIST

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CONTENTS

PAGE	PAGE
Coming Events .. 261	Marriages .. 263
Commercial Notes .. 259	Miscellaneous Inquiries .. 272
Coloured Supplement	National Pharmaceutical Union .. 261
Company News .. 259	New Import Duties .. 260
Co-operate with the Advertiser .. 260	News of the Week .. 257
Deaths .. 263	Personalities .. 263
Economy in Pharmaceutical Materials .. 262	Pharmaceutical Society of Great Britain:—
Editorial Articles:—	Council Meeting
Control of Imports .. 265	Coloured Supplement
Economy in Pharmaceutical Substances .. 265	Recent Wills .. 263
Links with the Past .. 265	Topical Reflections .. 258
Estimation of Bromides .. 266	Trade Notes .. 262
Information Department .. 264	Trade Report .. 267
Legal Reports .. 259	Zanzibar Clove Exports .. 266
Letters .. 271	World Mineral Industries .. 270

Control of Imports

THE Import of Goods (Prohibition) (No. 12) Order, 1940, issued by the Board of Trade, prohibits the importation, except under separate licence for each importation, of all the classes of goods specified in the schedules to the Order. Broadly, it controls the import of all foodstuffs. The objects of this control are, apparently, first, to limit imports both in quantity and in kind with, possibly, some sources given a preference over others. Not very many of these classes of goods enter into or affect our export or re-export trade. The home trade, however, seems likely to suffer and any tendency on the part of the authorities to unduly restrict imports of anything but luxuries may result in prices to consumers advancing unnecessarily. We publish on p. 260 the list of goods mentioned in the schedules which are of interest to the drug and chemical trade. We also give details that concern the trade of Notice to Importers, No. 52, which specifies (a) list of foodstuffs imported from any source for which an open general licence has been issued, (b) list of foodstuffs imported from Empire sources only for which an open general licence has been issued, (c) foodstuffs prohibited to be imported from Eire, and (d) goods on open general licence from France, Algeria and Tunis. It will be noted that some of the foodstuffs mentioned in list (a) are not specified as such in the Prohibition No. 12 Order. For instance, "cod liver oil" which may be imported under open general licence is covered in the Prohibition Order under "Oils, fats and greases other than those wholly or mainly of mineral origin."

It is very probable that a number of other products will be the subject of further notice of their addition to the open general licence list. For instance, it seems that essential oils might come under the item in the Prohibition Order No. 12, "Oils, fats and greases other than those wholly or mainly of mineral origin." They are not oils, fats or greases; very few of these products can be looked upon in any way as foodstuffs, and they form important ingredients in a wide range of manufactured goods which we export. Further, as a number of essential oils are drawn from France and her colonial empire, a prohibition of imports would appear to be not in accord with the recently signed Anglo-French Trade Agreement. Importers and manufacturers

consuming these products may be perturbed at the position at the moment, and it may cause some dislocation of business but, it appears to us, this is a case that does call for, and most probably will receive, immediate attention by the authorities and that very shortly essential oils and similar products will be the subject of an open general licence.

It is of interest to note that, at the present time, the importation of goods is carried on under three headings. First, there are the classes of goods which, so far, have not been the subject of any Government order; import trading conditions in such merchandise is normal. Secondly, goods, the import of which is controlled by open general licence, may, without notice, become the subject of a prohibition of import order, and, lastly, goods which have been specified in prohibition orders may only be imported under separate licence for each consignment. Importers and manufacturers will need to make quite sure of the position, which may change from time to time, of products they propose to import.

Economy in Pharmaceutical Substances

AT the request of the Ministry of Health we publish in full a statement addressed to pharmacists on the need for rigid economy in the use of various substances in general use in the preparation of medicines, etc. (p. 262). This statement was drawn up by the Therapeutic Requirements Subcommittee of the Medical Research Council and approved by the Ministry of Food. The recommendations will be noted by pharmacists and the pharmaceutical industry generally and all concerned will no doubt readily co-operate to give practical effect to the proposals put forward by the authorities. It is much to be preferred that economies should be made voluntarily rather than by compulsion under a system of rationing. It will also be noted that the ban has been lifted on the use of vegetable oils and fats for the purpose of the preparation of any medicine or medicament for internal and external use.

We refrain from making critical comment on the following observation on cod liver oil contained in the statement: "In most cases it is found more satisfactory and economical to administer the oil without admixture rather than in the form of an emulsion or in combination with malt extract." We are, however, a little doubtful if this will be endorsed; indeed, in some quarters it may even be challenged.

Links with the Past

Describing in our contemporary "The Ironmonger" his visit to a century-old ironmonger's shop in Buckingham, Mr. W. A. Young makes reference to "a cylindrical affair in Britannia metal," the label of which read "Hydrostatic Syphon Water Purifier. Invented and made by Alfred Bird, Chemist, Birmingham. Registered May 25, 1850." The writer makes the comment "I failed to open it, but by the sound of it the purifying medium might well have been washed granulated charcoal." The Alfred Bird referred to is best known as the originator of Bird's custard. A note on this and some of his other activities appeared in our Annual Special Issue of June 27, 1936. The water purifier was not there mentioned, but there were references to a water barometer and to lectures on electro-magnetism. Mr. Young's suggestion as to the contents of the purifier is therefore shrewd and may well be correct, and the speculation is specially interesting in view of the use of activated charcoal for a similar purpose today.

ESTIMATION OF BROMIDES

THE estimation of chlorides and bromides in a mixture of the two was the subject of a contribution by Albert Denoël in the "Journal de Pharmacie de Belgique" (1940, 11, 179). Methods hitherto used have been potentiometric, colorimetric, or volumetric. The author has evolved and put into practice a direct method of estimation of bromides in the presence of large quantities of chlorides, and his method serves equally for estimation of chlorides in presence of bromides, and has further applications in the estimation of these halogens in organic products. The method is rapid and the results are constant. The principles on which it is based are as follows. The bromide is attacked in conditions of known acidity by potassium bromate, which liberates bromine from it quantitatively. The chloride is not attacked. The liberated bromine is extracted with carbon tetrachloride, and the organic solvent is separated by decantation and added to a solution of potassium iodide. The iodine thus liberated is estimated with N/10 sodium hyposulphite.

Method of Operation

Into a 550-cc. decanting flask is introduced 100 c.c. of solution containing a maximum of 0.1 gm. of Br, 8 c.c. of 10 per cent. sulphuric acid and 10 c.c. of 5 per cent. potassium bromate solution. To this is added 50 c.c. of carbon tetrachloride, with which, after homogenisation, it is left in contact for ten minutes. Extraction of the liberated bromine is then commenced. The carbon tetrachloride is carefully separated from the aqueous solution and received into a 5-c.c. flask with ground-glass stopper containing a solution of 2 gm. of potassium iodide in 50 c.c. of water. The flask is closed immediately the tetrachloride has been introduced. After rinsing the decanting flask with a few c.c. of tetrachloride, a second, third, fourth and fifth extractions are carried out. Each time 40 to 55 c.c. of carbon tetrachloride is used, and care must be taken to rinse the flask after each extraction. After fifteen to twenty minutes the extraction of bromine is complete, and at this point the tetrachloride must not become coloured from agitation with the solution. The combined carbon tetrachloride

solutions are agitated in the ground-glass stoppered flask with the solution of potassium iodide, the iodine liberated by N/10 sodium hyposulphite is titrated. The end-point is sharp, and marked by the simultaneous disappearance of the violet colour from the tetrachloride and the yellow colour from the aqueous solution. If it is desired to estimate the chlorides, estimation of total halogens is first carried out and the result expressed in terms of bromine. The difference between the percentage obtained by the volumetric method and the percentage obtained by the iodometric method, divided by 2.25, gives the percentage of chlorine present. The method has the great advantage of being specific for bromine, in the absence of iodides. Numerous tests carried out in the working conditions described prove that chloride is not attacked by the bromate. Starting with a certain acidity and in the presence of a sufficient quantity of chlorine ions, liberation of chlorine can take place, but numerous experiments established the conditions which permit the desired reaction to be quantitative without liberation of chlorine. It was found that in the prescribed conditions 0.30 gm. of sodium chloride had not the slightest influence on the estimation of the bromine. The influence of chlorides makes itself felt, however, in the estimation of small quantities of bromide. In such estimations the best results are obtained by adding 100 c.c. of water, 5 c.c. of 10 per cent. sulphuric acid and 5 c.c. of 5 per cent. aqueous solution of potassium bromate. It is possible to estimate with certainty in this manner 1.09 per cent. of potassium bromide in presence of potassium chloride, so long as the amount taken for estimation does not exceed 0.30 gm. For estimation of small quantities of bromide, N/100 solution of hyposulphite is used in the iodometric estimation. Any traces of acid passing over with the carbon tetrachloride would react with the potassium iodide and bromate carried away to liberate iodine; the results would thus be too high. This question was examined. To the solution of iodide an excess of calcium carbonate was added, to neutralise eventual acidity. The results obtained corresponded with the first figures, and it was evident that no acid or bromate had been carried away by the tetrachloride.

ZANZIBAR CLOVE EXPORTS

THE report of the Zanzibar Clove Growers' Association for the three months ended December 31, 1939, shows that the supplies received and the exports during this period were as follows:—

SUPPLIES	EXPORTS
Zanzibar, 1,064,937 lb.	To all destinations
Pemba, 5,181,387 lb.	13,611,701 lb.

Of the total supplies, 6,098,428 lb. passed through the Zanzibar market; 65,638 lb. passed through the Association's depot and 82,258 lb. was delivered to the Association. Export destinations and quantities were as follows:—

	Bales	lb.
Dutch East Indies	19,000	2,660,000
Bombay and Indian ports ..	45,033	6,304,680
America, North-South	14,454	2,023,640
United Kingdom and Continent	14,573	2,040,207
Straits Settlements	766	107,210
All other destinations	3,400	475,964

In terms of standard bales (140 lb. net), supplies were 44,617 and exports 97,226. Of the total exports, the Association supplied 7,665,951 lb., or 56 per cent. The course of the harvest since the opening on July 1 is reflected by the following figures, in lb., of supplies to local markets and to the Association:—

	Zanzibar	Pemba
July	300,777	574,640
August	1,598,670	2,768,908
September	1,352,682	5,734,736
October	522,342	2,838,453
November	297,965	1,543,103
December	244,630	799,831

This gives a total of 18,576,737 lb., or 530,764 frasilas, which can be taken as indicative of the extent of the crop until the "vuli" or late picking opens. Estimates of this picking vary considerably, and much seems to depend on the weather condi-

tions. Harvesting will be general from the middle of January, and of short duration.

Stems and Oil

Supplies of stems totalled 2,559,809 lb., almost three times as much as during the previous quarter. The distillery absorbed 1,301,922 lb., and the exports of oil were 93,945 lb., an increase of about 7 per cent. compared with the previous quarter. During 1939 the distillery absorbed 6,239,286 lb. of stems and the exports of oil to all destinations totalled 367,547 lb. Prices remained unchanged throughout the quarter.

Cloves : Export Destinations

Country	1937	1938	1939
	cwt.	cwt.	cwt.
India	14,624	35,075	81,512
Great Britain and Northern Ireland	10,924	1,927	19,548
Straits Settlements	1,219	688	1,008
Canada	1,090	706	1,095
Dutch East Indies	58,570	93,113	116,786
United States of America	16,924	17,075	31,849
Germany	10,136	1,650	2,189
Italy	—	63	1,257
Japan	800	322	217
Holland	580	364	664
Egypt	2,181	1,297	3,366
Brazil	197	—	—
Sweden	31	—	—
Norway	32	—	—
Australia	1,199	949	1,361
Aden	989	2,273	836
All other countries	1,632	1,698	2,054
TOTAL: cwt.	121,128	157,200	263,742
Frs.	387,610	503,040	843,974

TRADE REPORT

Quotations recorded for pharmaceutical chemicals, crude drugs, essential oils, etc., represent the spot prices for wholesale quantities of standard quality. C.i.f. shipment quotations do not include marine war risk insurance and other abnormal charges which arise under the present state of emergency

28 Essex Street, W.C.2, April 3

MARKETS during the past week have remained quiet and steady, with a moderate routine business passing. Prices do not vary to any considerable extent, although there is a tendency to compete for certain orders. Products in the PHARMACEUTICAL CHEMICALS markets continue to be quoted steadily, and a fair routine trade is reported. AMIDOPYRINE is reported slightly firmer. Makers' prices for ASPIRIN continue unchanged. BARBITONE is firm on spot, with business rather quiet. CITRIC ACID and CREAM OF TARTAR continue unchanged. LACTIC ACID is about steady, with business limited. PHENACETIN remains unchanged at makers' prices, and with little material in dealers' hands. Makers notify an advance in price of ROCHELLE SALTS. Makers' scales of prices for SODIUM SALICYLATE are unaltered. TARTARIC ACID continues unchanged and nominal.

Crude Drugs

There is little of outstanding interest to report during the week. This market has continued steady and quiet, with a fair amount of routine business passing. A moderate demand continues for AGAR, with little material yet available on spot. ALOES remains a firm market, with some spot business passing. BALSAMS are reported unchanged. BUCHU is reported rather cheaper for shipment. There are still no shipment offers for BB commercial grade of CAMPHOR. As reported last week, English makers of refined have advanced their prices. CASCARA SAGRADA continues in fair demand. CASCARILLA is reported scarce on spot, but supplies are expected from origin as soon as freight becomes available. CLOVES remain a quiet and steady market. ERGOR continues very firm and scarce on spot. HONEY is unchanged at prices quoted last week. IPECACUANHA remains a firm market. Business in Japanese MENTHOL is still limited, but the Chinese material continues in good demand. RHUBARB is firm with good quality rough-ground reported scarce on spot. New-crop CORIANDER SEED is reported likely to be small. SENEGA remains quiet, with shipment slightly clearer. A fair trade continues in SENNA; it is reported that the outlook for the next crop is poor. TRAGACANTH is quiet and unchanged.

Essential Oils

This market has remained fairly quiet throughout the week, with a tendency for spot prices to ease back slightly. ALMOND is unchanged with the market steady. Spot business in ANISE (STAR) is reported to be on the slow side. BERGAMOT is quoted dearer for spot supplies. BOIS DE ROSE is quiet and steady. CITRONELLA continues dull and unchanged. Good quality CIVET is extremely scarce on spot. Spot quotations for EUCALYPTUS continue very firm, and it is still difficult to obtain shipment offers. Business in LAVENDER is limited but values remain fully steady. LEMON is quoted dearer for shipment. Shipment business for new-crop French Guinea ORANGE is quiet; Californian oil is unchanged. PATCHOULI continues scarce on spot; there are no shipment offers. A fair business is reported in Japanese PEPPERMINT.

Exchange Rates on London

The following is a list of the chief Continental and other exchange rates at the opening on Wednesday morning:—

Centre	Quoted	Par	March 27	April 3
Amsterdam ..	Fls. to £	12.107	7.55*	7.55*
Brussels ..	Belgas to £	nominal	23.62*	23.62*
Buenos Aires ..	Paper pesos to £	—	17.07*	17.07*
Copenhagen ..	Kr. to £	18.159	18½	18½
Lisbon ..	Esc. to £	110	106½	106
Madrid ..	Ptas. to £	25.24½	38.25	36½
Panama ..	Lire to £	92.46	72½	70
Montreal ..	Dols. to £	4.86½	4.45*	4.45*
New York ..	Dols. to £	nominal	4.03*	4.03*
Sao Paulo ..	Kr. to £	18.159	17.70*	17.70*
Paris ..	Fr. to £	124.21	176½d.	176½d.
Shanghai ..	Per dollar	—	4½d.	4½d.
Stockholm ..	Kr. to £	18.150	16.90*	16.90*
Yokohama ..	Per yen	25	1s. 3½d.	1s. 3½d.
San Francisco ..	Frs. to £	22.2115	17.90*	17.90*

* Rate fixed by Bank of England.

Bank rate, 2 per cent.

Pharmaceutical Chemicals, etc.

PRODUCTS in this market continue to be quoted steadily, and a fair volume of business is reported.

ACETANILIDE.—Spot demand limited; market steady. B.P., leviss., com 2s. 3d. to 2s. 6d. per lb., as to quantity.

AMIDOPYRINE.—Market reported slightly firmer, with dealers' prices steady. One cwt., 18s.; smaller quantities, up to 20s. per lb. for crystals, with powder 3d. per lb. extra.

BARBITONE.—Market remains quiet: One cwt., 22s.; 28 lb., 23s.; smaller quantities, up to 26s. per lb., ex store.

BENZALDEHYDE.—Makers continue to quote at from 2s. 6d. to 3s. per lb., as to quantity.

BENZOIC ACID (B.P.).—Continues steady; average business. Makers quote from 1s. 10½d. to 2s. 3d. per lb. for forward delivery.

BISMUTH SALTS.—No change in makers' prices as follows:—

	Less than 4 lb.	4 lb.	8 lb.	28 lb.	1 cwt.
Carbonate, B.P.	s. d. 10 10	s. d. 10 4	s. d. 9 7	s. d. 8 3	s. d. 8 0
Citrate, B.P.C.	13 0	12 6	11 9	10 1	9 10
Nitrate, cryst.	7 4	6 10	6 1	5 4	5 1
Oxide, B.P.C.	14 5	13 11	13 2	11 3	11 0
Oxychloride, B.P.	13 11	13 5	12 8	10 10	10 7
Salicylate, B.P.	10 9	10 3	9 6	8 3	8 0
Subgallate, B.P.C.	10 6	10 0	9 3	7 11	7 8
Subnitrate, B.P.C.	9 4	8 10	8 1	7 0	6 9

Rebate of threepence per lb. allowed on sales of not less than 2 cwt. (either for prompt delivery or on contract) provided delivery is completed within three months. Contracts subject to rise-and-fall clause.

BORAX (B.P.).—Steady at makers' prices: Granulated, £28 10s.; crystals, £29 10s.; powder, £30 per ton, in 1-cwt. bags, carriage paid in Great Britain, in minimum one-ton lots. Commercial quality, £8 per ton less.

BROMIDES.—No change in makers' scales of prices as follows: POTASSIUM (B.P.), not less than 5 cwt., 2s. 2d.; 1 cwt., 2s. 3d.; 28 lb., 2s. 9½d. per lb. SODIUM (B.P.) not less than 5 cwt., 2s. 4½d.; 1 cwt., 2s. 5½d.; 28 lb., 3s. per lb. AMMONIUM (B.P.C.), not less than 5 cwt., 2s. 5½d.; 1 cwt., 2s. 6½d.; 28 lb., 3s. 1d., per lb. Net. Rise-and-fall and re-sale clauses apply. Without engagement. Special prices for larger quantities. 28-lb. parcels and 1-cwt. cases or kegs free.

CAFFEINE.—Dutch shippers' quotations continue firm at the recent advance: PURE, less than 56 lb., 2 dollars 55 cents; 56 lb., 2 dollars 50 cents; 1 cwt., 2 dollars 45 cents; and 2 cwt., 2 dollars 40 cents per lb. CITRATE, less than 56 lb., 1 dollar 63 cents; 56 lb., 1 dollar 61 cents; 1 cwt., 1 dollar 58 cents; 2 cwt., 1 dollar 56 cents, f.o.b. Amsterdam or Rotterdam. Very little PURE on spot and prices would not be less than 20s. per lb.

CITRATES.—Makers' scales of re-sale prices unchanged, as follows:

POTASSIUM, B.P.	In containers of					
	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
Under 4 lb.	s. d. 3 0	s. d. 2 10½	s. d. —	s. d. —	s. d. —	s. d. —
4 lb. and under 7 lb.	2 11	2 9½	2 9½	—	—	—
7 lb. and under 14 lb.	2 10	2 8½	2 8½	2 7½	—	—
14 lb. and under 28 lb.	2 9	2 7½	2 7½	2 6½	2 6½	—
28 lb. and under 1 cwt.	2 8	2 6½	2 6½	2 5½	2 5½	2 5

28-lb. tins charged 2s. each.

SODIUM, B.P., one penny per lb. below corresponding prices for POTASSIUM, B.P. IRON AND AMMONIUM (SCALES), B.P., threepence per lb. above corresponding prices for POTASSIUM, B.P. Prices net. All packages charged extra. It is a condition of sale that buyers undertake not to re-sell any of the undermentioned products at prices below the values given, which came into operation on January 24.

CITRIC ACID (B.P. CRYSTALS).—Makers' price for home consumers continues nominal at 1s. 2d. per lb., less 5 per cent. discount. Dealers' prices for any material available would be in the region of 1s. 8d. per lb.

CREAM OF TARTAR (B.P.).—One maker notifies a nominal price of 122s. per cwt., less 2½ per cent. discount, with supplies restricted to regular consumer customers.

ETHERS (METHYLATED).—Makers' scales of prices unchanged at the recent advance:—

Grade	W. qts. per lb.	Not less than		Drums and Carboys per lb.
		6 w. qts. per lb.	12 w. qts. per lb.	
s.g.	s. d.	s. d.	s. d.	s. d.
0.750	1 3½	1 3	1 2½	1 1½
0.735	1 4	1 3½	1 3	1 2
0.730	1 4	1 3½	1 3	1 2
0.725	1 6	1 5½	1 5	1 4
0.725 triply rect.	1 10½	1 10	1 9½	1 8½
0.720	1 7	1 6½	1 6	1 5
0.717	2 1	2 0½	2 0	1 11
0.720 B.P. not for anaesthesia	1 9	1 8½	1 8	1 7

Net prices, usual terms. Special prices for quantities and contracts, subject to rise-and-fall clause.

Late price changes are given in the Coloured Supplement

EMETINE HYDROCHLORIDE.—Makers quote at from 95s. to 99s. per oz., as to quantity.

EPHEDRINE.—A limited demand for HYDROCHLORIDE, B.P., at about 11s. 3d. to 11s. 9d. per oz., and smaller parcels at up to 12s. 9d. per oz.

GALLIC ACID.—Dealers continue to quote cwt. lots at from 3s. 9d. and smaller parcels at up to 4s. 3d. per lb., ex store.

MANDELIC ACID.—Makers' continue to quote between 8s. 6d. to 10s. 6d. per lb. for bulk quantities.

MERCURY IODIDES.—Makers' prices are as follows: RED, less than 7 lb., 17s. 4d.; not less than 7 lb., 17s.; not less than 14 lb., 16s. 6d. GREEN, less than 7 lb., 19s. 4d.; not less than 7 lb., 19s.; not less than 14 lb., 18s. 6d. YELLOW, less than 7 lb., 20s. 10d.; not less than 7 lb., 20s. 6d.; not less than 14 lb., 20s. per lb., net, carriage paid.

METHYL SULPHONAL.—A limited supply on spot is valued at from 40s. to 42s. 6d. per lb., ex store.

PARALDEHYDE.—Spot prices for quantities, in 1-cwt. carboys, 1s. 3d. to 1s. 3½d.; smaller quantities, in winchesters, up to 1s. 10½d. per lb., ex store.

PHENACETIN.—Makers' prices for ordinary quantities continue at 3s. 6d. to 3s. 9d. per lb.; quotations are given without engagement. Material in dealers' hands limited, and prices continue firm at about 6s. 6d. upwards per lb.

PHENAZONE.—Limited supply of imported material. Dealers' prices now range from 18s. for bulk quantities up to 22s. per lb. for small parcels, ex store.

PHENOLPHTHALEIN.—Firm; makers' prices unchanged. Less than 7 lb., 3s. 8d.; 7 lb., 3s. 7d.; 14 lb., 3s. 6d.; 28 lb., 3s. 5d.; one cwt., 3s. 4d. per lb.

PHENYLETHYLBARBITURIC ACID (B.P.).—Quotations continue firm, with only small supplies available. Quoted at from 33s. to 37s. per lb., in bottles.

PHOTOGRAPHIC CHEMICALS.—Makers' prices for the following products are firm as quoted: SODIUM HYPOSULPHITE.—5 cwt., 19s.; 1 cwt., 22s.; 56 lb. for 12s. 6d.; 28 lb. for 6s. 6d. SODIUM CARBONATE, RECRYST.—5 cwt., 13s. 9d.; 1 cwt., 17s.; 56 lb. for 12s. 6d.; 28 lb. for 6s. 6d. ALUM (PHOTOGRAPHIC QUALITY).—1 cwt., 23s.; 28 lb. for 6s. 6d. GLYCIN.—7 lb., 13s. 6d.; 1-lb. bottles, 14s. 6d. POTASSIUM FERRICYANIDE.—Prices were recently advanced by sixpence per lb., as follows: 28 lb., 3s. 1d.; 14 lb., 3s. 3d.; 7 lb., 3s. 6d.; less than 7 lb., 3s. 9d. per lb.; 1-lb. bottles, 4s. 3d.; 8-oz. bottles, 2s. 6d.; 4-oz., 1s. 5d.; 1 oz., 10d. each. AMIDOL, 1 cwt., 8s. 6d.; 56 lb., 8s. 9d.; 28 lb., 9s. per lb. net; 14 lb., 9s. 9d.; 7 lb., 10s. 6d.; less than 7 lb., 12s. 6d. per lb., 2½ per cent. monthly account. Bulk parcels and tins free. 1-lb. bottles, 6d. extra. CHLOROQUINOL.—1-lb. bottles, 21s. per lb. HYDROQUINONE.—1 cwt., 6s. 4½d.; 56 lb., 6s. 7d.; 28 lb., 6s. 10d. per lb., net; 14 lb., 7s. 3d.; 7 lb., 7s. 6d.; less than 7 lb., 8s. per lb., less 2½ per cent. monthly account. Retail quantities: 16 oz., 8s. 6d.; 8 oz., 4s. 6d.; 4 oz., 2s. 8d. Trade prices in bottles: 1-lb. bottles, 8s. 6d. each; 8-oz. bottles, 4s. 6d. each; 4-oz. bottles, 2s. 8d. each; 1-oz. bottles, 1s. 1d. each, with retail selling prices 50 per cent. additional. GOLD CHLORIDE.—15-grain tubes, 53s. per doz. MAGNESIUM POWDER.—11s. 9d. per lb. PARAMIDOPHENOL HYDROCHLORIDE.—9s. per lb., bottles free. POTASSIUM METABISULPHITE.—One cwt., 1s. 3d.; 28 lb., 1s. 6d.; 14 lb., 1s. 7d.; 7 lb., 1s. 9d.; 1 lb., 2s.; 16-oz. bottles, 2s. 6d.; 8-oz. bottles, 1s. 6d. each; 4-oz. bottles, 1s. each; 1-oz. bottles, 8d. each. PYROGALLIC ACID, CRYST.—1 cwt. and over, 9s.; 56 lb., 9s. 3d.; 28 lb., 9s. 6d.; 14 lb., 10s. 6d.; 7 lb., 11s.; less than 7 lb., 11s. 6d. per lb. Bulk tins free, 1-lb. tins, 4d. extra and 1-lb. bottles, 6d. extra. PYROGALLIC ACID, RESUB.—1 lb., 15s.; 8 oz., 8s. 3d.; 4 oz., 4s. 9d. each; 1 oz., 22s. per doz. oz. SODIUM SULPHIDE (PURE).—7 lb., 1s. 9d.; 1 lb., 2s. per lb., bottles free. SODIUM SULPHITE RECRYST.—One cwt., 23s. 6d. per cwt.; 56 lb. for 13s. 3d.; 28 lb. for 7s. METOL.—1 cwt., 11s.; 56 lb., 11s. 3d.; 28 lb., 11s. 6d. per lb., net; 14 lb., 12s.; 7 lb., 12s. 9d.; 3 lb., 13s. 6d.; less than 3 lb., 14s. per lb., less 2½ per cent. monthly account; bulk tins free; 16-oz. bottles, 6d. each extra. Retail quantities: 16 oz., 14s. 6d.; 8 oz., 8s.; 4 oz., 4s. 3d., bottles free.

PIPERAZINE.—Quoted at about 75s. per lb. for bulk quantities; small lots, in 1-oz. bottles, 5s. 6d. to 6s. per oz.

POTASSIUM PERMANGANATE.—No change in makers' scales of prices which continue at the advance recently recorded:—

Minimum one delivery of:	B.P. Quality		Technical	
	In 1-cwt. drums	In 5-cwt. drums	In 1-cwt. drums	In 5-cwt. drums
	Per lb.	Per lb.	Per cwt.	Per cwt.
1 cwt. up	s. d.	s. d.	s. d.	s. d.
3 cwt. up	1 5½	—	161 6	—
5 cwt. up	1 5	—	157 0	—
1 ton up	1 4½	1 4½	154 6	152 0
4 tons up	1 4½	1 4	152 0	149 6
			149 6	147 3

Terms: Net, delivered nearest railway station in Great Britain, drums extra and returnable.

QUININE SALTS.—Prices for these salts are firm: SULPHATE, 104.90 Dutch florins; HYDROCHLORIDE, 131.25; BIHYDROCHLORIDE, 143.75; ETHYL CARBONATE, 134.50 per 100 oz., f.o.b. Holland. 100-oz. tins free; smaller packages extra. The limited supply of SULPHATE now in dealers' hands quoted at 3s. 1d. to 3s. 2d. per oz.

RESORCIN.—Prices were recently advanced as follows: Not less than 7 lb., 7s. 3d.; not less than 14 lb., 7s.; not less than 56 lb., 6s. 10d., not less than 1 cwt., 6s. 9d. per lb. Dealers' prices for any spot material available would be in the region of 8s. 6d. to 9s. per lb.

ROCHELLE SALTS.—Makers' prices for SODIUM and POTASSIUM TARTRATE, B.P., have been advanced 17s. 6d. per cwt., as follows: Powder, less than 1 cwt., 112s. 6d., less than 5 cwt., 110s.; not less than 5 cwt. in one delivery, 107s. 6d.; crystals, 2s. 6d. per cwt. extra. PULV. SEIDLITZ.—Less than 1 cwt., 88s. 9d.; less than 5 cwt., 86s. 9d.; not less than 5 cwt. in one delivery, 85s. per cwt. DOUBLE SEIDLITZ.—Less than 1 cwt., 99s.; less than 5 cwt., 96s. 9d.; not less than 5 cwt. in one delivery, 94s. 6d. per cwt., net, from fourteen days; contracts subject to rise and fall clause.

SACCHARIN.—The duty-paid Convention price for 550 material is firm at 98s. 4d. per lb. Business on a good scale. Neither wholesale nor retail prices are under Government control.

SALICYLIC ACID (B.P.).—Makers' scales of prices continue unchanged as follows:—

In containers of	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	2 7½	2 6	—	—	—	—
4 lb. and under 7 lb. ..	2 6	2 5	2 4½	—	—	—
7 lb. and under 14 lb. ..	2 5½	2 4	2 3½	2 3½	—	—
14 lb. and under 28 lb. ..	2 4½	2 3	2 2½	2 2½	2 2	—
28 lb. and under 1 cwt. ..	2 3½	2 2	2 1½	2 1½	2 1	2 0½
1 cwt. and under 5 cwt. ..	1 11½	1 10	1 9½	1 9½	1 9	1 8½
5 cwt. and under 1 ton ..	1 11	1 9½	1 9½	1 8½	1 8½	1 8
1 ton	1 10	1 8½	1 8½	1 7½	1 7½	1 7

* 8 × 14 lb. and upwards, in one delivery, ½d. lb. less.

Prices include parcels or collapsible cartons; other packages charged extra. Sodium salicylate cannot be assorted with salicylic acid. Prices are quoted subject to an undertaking on part of buyers not to re-sell any quantities at prices or terms below scale for such quantities current at time re-sale is made.

SALOL.—Prices continue firm at from about 5s. 9d. to 6s. per lb., as to quantity.

SANTONIN.—Convention prices remain unchanged, as follows: 15 kilo and over, £35 10s.; not less than 10 kilo, £36 5s.; not less than 5 kilo, £37; less than 5 kilo, £38 per kilo, delivered free in the U.K., 1-kilo tins free. Quotations for spot parcels are in the region of £37 to £38 per kilo.

SODIUM BARBITONE.—The current quotations are: One cwt., 23s.; 28 lb., 24s.; smaller quantities, 27s. per lb., ex store.

SODIUM BENZOATE (B.P.).—Demand continues fair, with values steady. Makers' and dealers' prices are at 1s. 9d. for bulk quantities, up to 2s. 2d. per lb. for small parcels.

SODIUM SALICYLATE (B.P.).—No change in makers' scales of prices:—

In containers of	1 lb.	2 lb.	4 lb.	7 lb.	14 lb.	28 lb.
	s. d.	s. d.	s. d.	s. d.	s. d.	s. d.
Under 4 lb.	2 9	2 7½	—	—	—	—
4 lb. and under 7 lb. ..	2 8	2 6½	2 6½	—	—	—
7 lb. and under 14 lb. ..	2 7	2 5½	2 5½	2 4½	—	—
14 lb. and under 28 lb. ..	2 6	2 4½	2 4½	2 3½	2 3½	—
28 lb. and under 1 cwt. ..	2 5	2 3½	2 3½	2 2½	2 2½	2 2
1 cwt. and under 5 cwt. ..	2 0	1 10½	1 10½	1 9½	1 9½	1 9
5 cwt. and under 1 ton ..	1 11½	1 10	1 9½	1 9½	1 9	1 8½
1 ton	1 11	1 9½	1 9½	1 8½	1 8½	1 8

* 8 × 14 lb. and upwards, in one delivery, ½d. lb. less.

Prices include parcels or collapsible cartons; other packages charged extra. Sodium salicylate cannot be assorted with salicylic acid. Prices are quoted subject to an undertaking on part of buyer not to re-sell any quantities of above product at prices or terms below scale for such quantities current at time re-sale is made.

SULPHONAL.—Dealers' spot prices for bulk quantities are now at 33s. per lb.; for small parcels, up to 35s. per lb.

TARTARIC ACID (B.P. CRYSTALS).—Makers' price continues unchanged and nominal at 1s. 6½d. per lb., less 5 per cent. discount. Supplies are limited and reserved for regular consumer customers. Dealers have practically nothing to offer.

THEOBROMINE.—Dutch shippers' prices continue as follows:—Pure: Less than 56 lb., 2 dollars 55 cents; 56 lb., 2 dollars 50 cents; 1 cwt., 2 dollars 45 cents; 2 cwt., 2 dollars 40 cents per lb. SODA SAL.: Less than 56 lb., 1 dollar 81 cents; 56 lb., 1 dollar 79 cents; 1 cwt., a dollar 77 cents; 2 cwt., 1 dollar 74 cents per lb., f.o.b. Amsterdam or Rotterdam.

VANILLIN.—Makers' prices are as follows: Ex clove oil or guaiacol, five cwt., 14s. 6d.; one cwt., 14s. 7½d.; 56 lb., 14s. 9d.; less than 56 lb., 15s. per lb., carriage paid in the United Kingdom.

Crude Drugs, etc.

THIS market continued quiet and steady throughout the week, with few price changes to record. Agar continues in good demand. English refined camphor is steady at the recent increase. Ergot is firm and short on spot. Rhubarb firm with spot material scarce. New-crop orianider seed is reported likely to be small.

AGAR.—The demand on this market continues fair, with stocks of spot material still scarce. Kobe No. 1, 8s. 3d.; Kobe No. 2, 7s. 10½d.; Yokohama No. 1, 7s. 9d. per lb., duty paid. Shipments of Kobe No. 1, due to arrive this week, are offered afloat at 7s. 10d. to 8s. per lb. Shipment, March–April from Japan, Kobe No. 1, 6s. 3d.; Kobe No. 2, 5s. 2d.; Yokohama No. 1, 6s. 2d. per lb., c.i.f.

ALOES.—The fair spot business reported last week continues, with values remaining firm. Curaçao, price varies between 285s. to 300s. per cwt., ex store, according to quality. Cape continues steady, with small sale; spot, 57s. 6d. to 60s.; Zanzibar, leaves, quoted at 80s. to 85s. per cwt., ex store.

ANTIMONY.—English regulus, £100 to £102 10s. Continental regulus, 93 to £95 10s. per ton, duty paid.

BALSAMS.—Supplies of all descriptions still reported short; market fully steady as quoted. *Tolu*, about 5s. 6d.; very soft, 5s. 3d. *Canada*, in very small supply at about 5s. 6d. *Copaiba*, Para, 3s. 6d.; *Peru*, 5s. 9d. per lb., duty paid.

BUCHU.—No change in the London market, which remains quiet and steady. New-crop rounds are offered at from 2s. 7d. to 3s. and values at 2s. 7d. per lb., ex store. Shipment is quoted rather cheaper at about 2s. 6d. per lb., c.i.f., for new crop.

CAMPHOR.—There are still no shipment offers for BB commercial grade. Spot, tablets, 5s. 6d.; powder, 5s. 3d.; slabs, 5s. 2d. per lb., duty paid. Latest prices from Japan for April–May shipment are: Tablets, 5s. 4½d.; powder, 5s.; and slabs, 4s. 11d. per lb., c.i.f. Continental synthetic, powder, 5s.; tablets, 5s. 6d. per lb., ex store. English makers of refined recently increased their prices as follows: Flowers, one cwt., 5s. 9d.; 28 lb., 5s. 10d.; less than 28 lb., 5s. 11d. per lb. Transparent tablets, ½-oz., one cwt., 6s. 3d.; 28 lb., 6s. 4d.; less than 28 lb., 6s. 5d. per lb.

CARDAMOMS.—Market quiet but with values fully steady throughout the week. Ceylon, bleached, bold, 5s.; medium pale, 3s. 9d. to 4s.; small, 3s. 6d.; Bombay seed, 4s. 6d. per lb.; Mangalore seed, 3s. 3d.; Aleppy greens, spot, 3s. 3d. to 3s. 4d.; shipment, 2s. 6d., c.i.f.

CASCARA SAGRADA.—A fair demand reported. Spot, 1939 peel, up to 100s. per cwt., ex store; 1938 peel, up to 120s. 6d. per cwt., ex store. Shipment remains unchanged at about 85s. per cwt., c.i.f. in minimum car-load lots.

CASCARILLA.—Reported scarce with spot at about 1s. 6d. per lb. Supplies are expected from origin as soon as freight becomes available.

CLOVES.—Market is steady but rather quiet: Zanzibar, spot, 10d. per lb.; shipment, April–May, 9½d., c.i.f., Madagascar sellers at 10½d. per lb., in bond; shipment, April–May, 9½d. per lb., c.i.f.

COCONUT (DESICCATED).—Steady: Fine, on spot, 27s. 6d.; medium, 27s.; shipment, April–May, 22s. per cwt., c.i.f.

COD LIVER OIL.—This market continues steady and quiet. British-made medicinal-quality oil is reported by the producers to be available, bulk quantities being at 8s. per gallon, in drums, delivered, and veterinary-grade oil obtainable in drums, tins, and bottles. Norwegian medicinal oil is firm. Spot, in barrels, from 10s. 3d. to 10s. 6d. per gallon for finest medicinal. Fishing in Lofoten continues favourable, and the returns up to March 27 were as follows: 1940, 104,086 tons of cod and 51,797 hectol. of oil; 1939, 121,807 tons, 58,951 hectol.; 1938, 79,681 tons, 35,868 hectol.

DERRIS ROOT.—Little business passing, with no shipment offers. Spot, 18 per cent. ether extract, 7½d. to 8d. per lb. Root of 4 to 5 per cent. rotenone content, if available, about 1s. 3d. per lb., ex store.

DIGITALIS LEAVES.—Dealers' prices continue fully steady. Spot, about 120s. for ordinary quality; 190s. to 200s. per cwt. for better quality.

ERGOT.—Continues firm and short on spot. Portuguese, shipment, 19s. 6d. to 20s. 9d. per lb., c.i.f. A small quantity on spot is valued at about 23s. 6d. to 24s. per lb. Hungarian, spot, about 14s. to 15s. 6d. for small lots, and afloat, about 13s. per lb., c.i.f.

GAMBOGE.—Valued at about £24 per cwt., duty paid, for good Siam pipe, with only a small quantity available.

GINGER.—The market continues steady. West African, spot, 30s.; shipment, April–May, 22s. 6d. per cwt., c.i.f. Jamaican, spot, small medium, 52s. 6d.; bold, in barrels, 85s. per cwt., ex store. Cochinchina, unwashed, 45s. per cwt., ex store; shipment, 35s. per cwt., c.i.f.

GUM ACACIA.—The market continues quiet, with values unchanged. Kordofan cleaned sorts, spot, 63s.; shipment, 45s. per cwt., c.i.f.

HENBANE.—No change in spot price, which remains nominal at about 170s. per cwt., ex store.

HENNA.—Firm quotations for new-crop Egyptian leaves. Limited supplies are available in London: Green, 55s.; brown, 47s. 6d. per cwt., ex store.

HONEY.—Jamaican, nominal at about 95s. to 110s. per cwt. Canadian short and the value is now not less than 95s. per cwt., ex store. Some Australian is offered in London at 85s. to 90s. per cwt., as to grade. The London market is still short of supplies.

HYDRASTIS.—Market quiet with values unchanged throughout the week. Spot, good-test root, 21s.; U.S.P., 19s. 6d., ex store; shipment, 19s. per lb., c.i.f.

IPECACUANHA.—The London market continues very firm. Matto Grosso, about 25s. to 27s. per lb., according to holders. Some business is reported in March–April shipment at 23s. per lb., c.i.f. Minas continues about steady on spot at 14s. to 14s. 6d. per lb.; shipment, 11s. 3d. to 11s. 6d. per lb., c.i.f. EXT. IPECAC. L10, 32s. 6d. per lb. for minimum lots of twelve winchesters.

LAVENDER FLOWERS.—Spot quotations for medium-blue French flowers are in the region of 140s. per cwt., ex store.

MENTHOL.—A small business is passing in Japanese, with K/S brands offering at 20s., duty paid, and 19s. 6d. in bond. Shipment offers from Japan are at between 22s. and 23s. per lb., c.i.f. but no business is being done. The Chinese material continues in good demand, with prices at about 15s. to 15s. 6d. per lb., duty paid; shipment, April–May, 13s. 3d. to 14s., c.i.f., according to brand and seller.

MERCURY.—The shipment quotation for Spanish-Italian metal remains at 200 American dollars per flask, f.o.b. Mediterranean port; ex warehouse, London, 207 dollars.

PEPPER.—Values steady, with small trade passing. Lampong, in bond, 3½d., April–May, 2½d., c.i.f. Tellicherry, spot, 5d.; April–May, 34s. per cwt., c.i.f. Aleppy, spot 4½d.; April–May, 34s., c.i.f. White Muntok, duty paid, 5½d.; in bond, 4½d.; April–May, 4½d. per lb., c.i.f.

PIMENTO.—Market continues firm. Spot, 1s. 1d. per lb.; shipment, April–May, 100s. per cwt., c.i.f.

RHUBARB.—Good quality rough-round is still reported scarce on spot; market firm. Spot, rough-round, good quality, some available at about 4s. 9d. per lb.; very slightly wormy, 3s. 9d. per lb. Rough-round for April–May shipment offered at 3s. 9d. to 4s. per lb. Bold to medium Shensi in small demand and held for 6s. 6d. to 7s. per lb., in cases, as to quality and seller.

RUBBER.—Moderate business, with the market closing easier. Standard ribbed smoked sheet, spot, 11½d.; April, 11½d.; May, 11½d.; July–September, 11½d. per lb.

SEEDS.—**ANISE.**—Spot, duty paid, Bulgarian, 80s.; Syrian, 77s. 6d.; Cyprus, 78s., duty free. **CANARY.**—No prices available. **CARAWAY.**—Unchanged. Dutch, 85s.; spot, duty paid. **CORIANDER.**—Morocco on spot, 26s., duty paid, and 24s., in bond. It is reported that the new crop is likely to be small. **CUMIN.**—Spot, Cyprus, 75s., duty free; Morocco quoted at 85s., duty paid and 75s. in bond. **DILL.**—Indian, 11 per cent. quoted at 37s. 6d., spot, duty free. **FENNEL.**—Spot, Indian, 50s. to 55s.; Iran, 55s., in bond. **FENUGREEK.**—Spot, Morocco, 18s. 6d., duty paid ex store, Liverpool and 19s., duty paid, ex wharf, London. **MUSTARD.**—English, 74s. to 76s., according to quality.

SENEGAL.—The spot market remains quiet. Spot, about 4s. 3d. per lb., ex store. Shipment, about 4s. 6d. per lb., c.i.f., according to seller.

SENNA.—A fair demand continues for home and export, and values of all descriptions are fully steady. Tinnevely leaves: No. 1, 8½d.; No. 2, 5½d.; No. 3, 4½d. per lb. Tinnevely pods: Best pale hand-picked, 10d.; darker grades, 5½d.–6½d.; f.a.q., 4½d. per lb. Alexandrian pods: The market is poorly supplied with good green bold hand-picked, and prices are nominal. Manufacturing quality, 7d. per lb., ex wharf, London.

In a report on the senna crop for 1938–39 in the Madras Province, the "Indian Trade Journal," February 1, p. 325, states that there was a good demand from Europe and from the United States of America and practically all the stocks held are now sold out. The outlook for the next crop is very poor. There were rains only during November, whilst the December and the middle January rains failed altogether. The country looks unusually dry and all the crops are suffering from drought. In the Satura circle fields were sown during November and December but as senna is now suffering badly for want of moisture, the yield will probably fall much below normal. In the Tinnevely area no sowing for dry cultivation has yet been possible for want of rains and unless there are rains within the next few days, conditions throughout will be very adverse.

SHELLAC.—Market firm: Spot, standard TN orange, 83s. to 86s.; pure button, 127s. 6d.; fine orange, 130s. to 170s. per cwt. For arrival, TN orange, 76s. per cwt., c.i.f.

STRAMONIUM LEAVES.—New-crop shipment prices firm at 65s. to 75s. per cwt., as to colour; spot, firm at 67s. 6d. to 70s. per cwt.

TONKA BEANS.—Some small spot business reported. Fair frosted Para beans quoted at from 2s. to 2s. 3d. per lb., as to quality and quantity, ex store. Angostura, spot, 9s. per lb.

TRAGACANTH.—Market remains quiet with values unchanged. Finest selected white ribbon, from £85; No. 1, white, £75; No. 2, white, £65; No. 3, white, £53; pale leaf, £33; amber leaf, £25; red leaf, from £14 10s.; woody and hoggy, from £10 10s. All prices are per cwt., ex store, London.

TURMERIC.—Spot, Madras finger, 47s., and Rajapore, 47s. 6d.; shipment, new-crop, for April-May, Madras, 35s., c.i.f.; Rajapore, 36s., c.i.f.

WAXES.—Bees': Owing to lack of stocks business is restricted, values firm: Spot, from 170s.; in bond, 160s.; shipment, Dar-es-Salaam, 157s. 6d. per cwt., c.i.f. Japanese, first three brands, spot, 120s., duty paid; shipment, 97s. 6d., c.i.f. CARNAUBA: Forward quotations continue at recent advances. Fatty grey, 330s.; afloat, 315s., c.i.f.; shipment, 310s., c.i.f.; chalky grey, spot, 315s.; shipment, 305s., c.i.f. Primeira, spot, 452s. 6d.; afloat, 435s.; shipment, 425s., c.i.f.

Essential and Expressed Oils, etc.

THIS market has remained rather quiet throughout the week, with prices showing little material change. Some spot prices, however, tend to ease back a little.

ALMOND.—Business continues quiet, with the market steady. Expressed oil, spot, cwt. lots, 3s. 8d.; smaller quantities, up to 4s. per lb., ex store. French, genuine bitter, firm at 11s. per lb., ex store.

ANISE (STAR).—Business is reported rather slow on spot. Tins in cases, steady and held for about 4s. 1d.; drums, 4s. per lb.; shipment, March-April, tins in cases, 3s. 7½d. to 3s. 8d.; drums, 3s. 7d. to 3s. 8d. per lb., c.i.f.

AVOCADO PEAR.—Spot about 52s. 6d. per gallon, delivered, for small quantities.

BAY.—A moderate trade passing, with values fully steady. Quoted at from 5s. 3d. to 6s. per lb., ex store, as to quantity.

BERGAMOT.—No shipment offers for Consortium oil are yet available. Spot values remain a matter for negotiation, but about 32s. 6d. per lb., ex store, is indicated, with supplies of genuine oil stated to be limited.

BOIS DE ROSE.—Not much business passing, with dealers' prices continuing steady. Spot, from 8s. to 8s. 6d. per lb., ex store; shipment offers at about 7s. 6d. per lb., c.i.f., for distant positions.

CARAWAY.—Only a small business is reported, with the market steady. Dutch rectified oil continues firm at 15s. 6d. to 16s. per lb., landed and duty paid; shipment is at 14s. 9d. per lb., duty paid.

CASSIA.—Continues firm, with little available on spot. Spot, leads, 5s. 3d. to 5s. 6d.; no shipment offers.

CITRONELLA.—Market continues dull with values unchanged during the week. Ceylon, spot, drums, 2s. 4d. to 2s. 6d.; small quantities up to 3s. per lb.; shipment, drums, about 2s. per lb., c.i.f. Java, spot, drums, about 2s. 6d. to 2s. 7½d.; small quantities, up to 3s. per lb.; shipment rather easier at 1s. 11d. per lb., c.i.f., but very little business passing.

CIVET.—There is difficulty in obtaining supplies but spot would be worth about 27s. 6d. per oz., for highest-quality oil.

CLOVE.—Not much Madagascar oil on spot; drums, if available, 5s. and upwards per lb.; English distilled, firm at 7s. to 7s. 3d. per lb., as to quantity.

EUCALYPTUS.—Quotations for spot material continue firm, and it is difficult to obtain shipment offers. Spot, from 5s. per lb., as to holder, for 70 to 75 per cent. oil. Shippers are quoting April-May at 3s. per lb., c.i.f.

GERANIUM.—Small business passing, with values steady. Bourbon of good quality firm at 15s.; shipment, nominal at 13s. c.i.f. Algerian, spot, about 15s. to 15s. 6d. per lb. shipment, 15s. 3d. per lb., c.i.f.

LAVENDER.—Values continue steady with not much business passing. Good 38 to 40 per cent. oil is quoted steady at from about 17s. 6d. up to 20s. per lb., ex store. LAVANDIN firm at 10s. 6d. per lb., ex store.

LEMON.—This market continues to show a fair amount of activity. Quotations for shipment are in the region of 20s. per lb., c.i.f., for finest hand-pressed. Spot, about 20s. per lb., for genuine oil, with blended oils at cheaper prices. Californian oil, cold-pressed, quoted in sterling at 13s. 6d., at wharf; distilled, regular quality, 8s. per lb., at wharf, with demand fair.

LEMONGRASS.—Values unchanged; shipment market dull and weak. Spot, about 4s. to 4s. 2d. per lb. Shipment, about 3s. 6d. per lb., c.i.f.

LINSEED.—The controlled price for large bulk quantities of crude, naked ex works, is unchanged at £40 10s. per ton. Distributor's prices for ordinary quantities of crude or boiled, packed and carriage paid, would be at higher figures.

MUSK.—Limited stocks of caddies of Tonquin pods available in London held for 87s. 6d. to 90s. per oz., as to quality; shipment offers firm at 80s. per oz., c.i.f.

NUTMEG.—Limited business passing; dealers' prices steady. American, 11s. 9d. to 12s. 6d., as to quantity; shipment, 10s. per lb., c.i.f. Dutch, spot, 11s. 9d. to 12s. 6d. per lb., as to quantity, ex store.

OLIVE.—The Ministry of Food controlled price paid by importers for large bulk quantities in 50-gallon drums is unchanged. Distributors' prices for a few gallons, packed in gallon tins, carriage paid, would now range from 11s. 9d. to 12s. 6d. per gallon.

ORANGE.—Business quiet for new-crop French Guinea oil for shipment. Quotations steady at about 2s. 9d. per lb., c.i.f., in drums. Spot is nominal at between 5s. and 5s. 6d. per lb., ex store. New-crop oil should now be available here. Californian oil is quoted in sterling at 4s. per lb., in small drums, ex store, duty paid, limited supplies only being available.

PALMAROSA.—Spot, in limited supply, about 11s. 3d. to 11s. 6d. per lb., ex store; shipment, about 9s. 9d. to 10s. per lb., c.i.f.

PATCHOULI.—Spot continues scarce, with any genuine Singapore oil about 35s. Seychelles oil also seems scarce, with the value nominal at 27s. 6d. per lb. No shipment offers.

PEPPERMINT.—A fair business passing, with the market steady. Japanese, spot, 7s. 4½d. to 7s. 6d., according to brand. Latest cable from shippers quote K/S brands at 8s. to 8s. 3d., and other brands at 8s. per lb., c.i.f., March-April shipment. Chinese oil continues to sell well, with spot at 5s. to 5s. 3d., according to brand and seller. Shipment April-May, 5s. to 5s. 3d. per lb., c.i.f. Some oil afloat, due shortly, is at 4s. 10½d. per lb., c.i.f. American natural oil remains steady, with business of small size. Quoted at from 2 dollars 90 cents to 3 dollars 5 cents per lb., c.i.f., in tins in cases. Spot, about 16s. per lb., ex store.

PETITGRAIN.—Spot, nominal, 8s. to 8s. 6d. per lb., ex store. Shipment, March-April, drums only, offered at 7s. 6d. per lb., c.i.f.

ROSE.—Spot, genuine Bulgarian oil, valued at about 45s. per oz for small quantities, delivered. Shipment remains about £65 per kilo c.i.f.

ROSEMARY.—Spanish oil is quoted on spot at about 3s. 6d. to 3s. 9d. per lb., ex store.

SPIKE.—Very little business passing. Good-quality Spanish is available at about 7s. 6d. to 8s. per lb., ex store. Other grades are at lower figures.

TI-FREE.—Importers continue to offer spot supplies at about 52s. 6d. per gallon, in tins.

TURPENTINE (AMERICAN).—Values are steady: London, 54s. 9d. per cwt., tax paid, in barrels, ex wharf; Liverpool, 61s. in barrels, ex store.

TURTLE.—Empire oil is quoted as follows:—Refined hydrogenated green, in one-gallon tins, 45s. per gallon; filtered crude green, 2s. 6d. to 2s. 6d. per lb., according to package.

VEITVER.—Bourbon, in limited supply, is quoted at about 24s. 6d. to 25s. per lb. Java, spot, 21s. to 22s. per lb., ex store.

WORMSEED.—Market continues steady, with supplies severely restricted. Spot 24s. to 24s. 6d.; shipment, 23s. per lb., c.i.f.

Synthetics.—The following are the current prices:—AMYL ACETATE, pure, 110s. per cwt., technical, 105s. per cwt. AMYL SALICYLATE, 3s. 3d. to 3s. 9d. per lb. AUBEPINE, ex para cresol, 15s. per lb., nominal: ex anethol, 16s. to 17s. per lb. BENZALDEHYDE, about 2s. 9d. to 3s. 6d. per lb. BENZYL ACETATE, 2s. 3d. to 2s. 9d. per lb. BENZYL ALCOHOL, 2s. 6d. to 3s. 6d. per lb. BROMSTYROL, 100 per cent., nominal, 17s. per lb. CITRAL, chemically pure, about 9s. to 11s. per lb. for good quality. COUMARIN, English makers quote nominal at about 13s. 6d.; imported material, up to 20s. per lb. or more. ETHYL PHTHALATE, about 1s. 6d. per lb. for cwt. lots and up to 2s. 6d. for smaller quantities. EUGENOL, 9s. to 11s. per lb. GERANIOL, ex palmarosa, 18s. to 20s. per lb. HELIOTROPIN, 100 per cent. crystals, quoted nominal at 20s. per lb. ISO-EUGENOL, 11s. to 12s. per lb. METHYL ANTHRANILATE, nominal, 16s. per lb. MIRBANE, cwt. lots at 9d. per lb.; small quantities at higher prices. MUSK KETONE, price now 20s. per lb. MUSK XYLOL, 7s. to 8s. per lb. MUSK AMBRETTE, 17s. to 18s. per lb. PHENYL ETHYL ALCOHOL, nominal, 12s. 6d. per lb. SAFROL, pure, 6s. to 7s. per lb. TERPINEOL, nominal, 2s. to 2s. 9d. per lb.

WORLD MINERAL INDUSTRIES

No. 12—Fuller's Earth

THE following details of world production of fuller's earth are taken from the statistical summary, 1930-1938, of the mineral industry of the British Empire and foreign countries, issued by the Imperial Institute, London, S.W.7 (H.M. Stationery Office, price 7s. 6d.). The figures are in long tons.

Producing Country	1936	1937	1938
BRITISH EMPIRE			
India	6,649	7,416	8,059
New Zealand	—	—	56
FOREIGN COUNTRIES			
United States (sales)	206,084	201,933	152,546
Turkey	5,668	8,428	(a)

Fuller's earth is also produced in the United Kingdom. (a) Information not available.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor

An Emergency Splint

SIR,—As a means of "escape" from various obsessions, I worked out three new designs for emergency splints, of which No. 1, for arm, has passed beyond the experimental stage. Indeed, it has been so extravagantly praised that I should blush if that pleasing reflex action were possible for a septuagenarian without resort to the alleged Roman aid. I enclose a specimen of the 12-in. size with some short bandages in position to show action; also separate notes in explanation. I have been supplying the splints in 12-in. and 13-in. sizes to the Bangor Red Cross Depot for some time on the basis that I provide wood and labour and they fit bandages and issue. Though quite a simple job (cabinet makers' finish is unnecessary) production in quantity by ordinary hand tools is, however, tedious. It has occurred to me that there must be at least a few knights of the pestle who can on occasion ply plane and saw as well as pestle and spatula, and who would take pleasure in producing similar splints in their own spare time—feeling the need, perhaps, as I have, of making some more direct contribution to war-work than the inescapable daily carry-on and the Chancellor's taxes.

Yours faithfully,

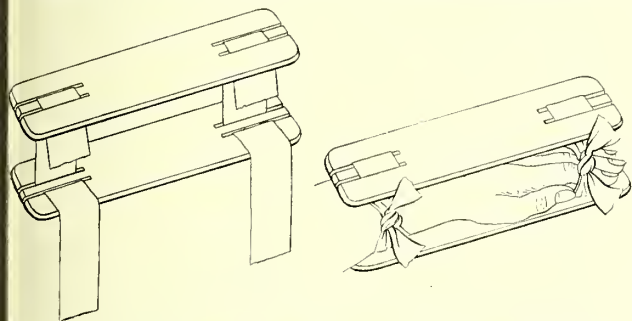
A. L. DORAN (17/13).

"Tramore,"

Helen's Bay, N. Ireland.

Mr. Doran's notes are as follows:—

These special non-slip slotted arm splints are in no way intended to supplant the usual hospital types; they are for emergency use.



My idea is that they should be issued by the dépôts to first-aid workers in self-contained sets of two (or three if through-splint desired), with bandages of suitable length (say 48-in. or 54-in.) already in the slots and ready for instant use. The bandages are drawn over the narrow side of the tongue formed by the dove-tail slots. This side should be next the limb when applying; the outside of the face is indicated by an impressed tool-stamp mark. The bandage is a three-inch folded double; this gives a webbing $1\frac{1}{2}$ in. wide which permits some fore-and-aft adjustment in the $2\frac{1}{2}$ -in. slots. In my opinion the usual open flimsy material of O.W. bandages is not strong enough for fixing splints, though, of course, correct for applying dressings, etc. Something strong enough to need only one turn is desirable. The splint can be padded if required by tying on strips of gauze-tissue to the inner faces, but, as it is normally used over clothes, this is not necessary. In using, drop over limb, bring free ends round and over in opposite directions, and knot. The material is "redwood" (not American Sequaia). A finish is given with one coat of antiseptic wax polish. The cost is approximately one penny per member.

Calculating Retail Prices

SIR,—“A Formula for Pricing Goods” (*C. & D.* Coloured Supplement, March 23, p. ix), repays readers for careful study. The method suggested applies to price-regulated goods within the scope of the Act, but some of the complaints made and decisions taken under the Profiteering Act of the last war, make one wonder whether the regulations of the new Act may not in time come to be considered a basis for pricing goods outside those controlled. The net profit of a pharmacist with a small business is too often his salary as well, for although pharmacy provides smaller returns than most other retail trades, rent and other expenses are no lower on that account. With reduced returns the small pharmacist is going to suffer considerably. I must admit I should like a little more explanation of the final paragraph, “Calculating the Present Margin.” Taking the previous article (b) with cost price at 8s. 4d. and selling price at 12s. 6d., this shows exactly the one-third profit which is supposed to be the correct margin on many lines in the chemist's business if it is to be run successfully. But when it comes to the present

article, the cost of which is taken at 12s., the selling price is given as 18s. 1d., that is a penny more than the price arrived at if one fixes the price as before with a third gross profit, namely 18s. This figure of 18s. 1d. is arrived at by adding the net profit margin of 8d. to the cost price before fixing the selling price, and by the addition of the current expenses percentage. It might be argued by some that the extra penny represents an undue increase, because the difficulty is to understand the distinction between a percentage margin and a money margin. It is also stated that the final figure may reasonably be smoothed to a convenient suitable selling price, for example, 9s. 4½d. to 9s. 6d. This would seem to be an arbitrary method, because the net profit margin for this example is 4d., and an extra 1½d. represents a considerable increase on this profit. Higher-priced goods do not always mean increased total takings. Often they mean a drop in sales.—Yours faithfully,

NET PROFIT (25/3).

Sane Sterilisation

SIR,—In considering “Preservatives in Pharmacy” and the question of sterilisation (*C. & D.*, March 23, p. 228), pharmacists should bear in mind that there is a distinction between the methods to be followed with products prepared and packed for stock, and the methods for medicines dispensed extemporaneously. Products bought ready-packed from manufacturers have doubtless had all due care taken in their preparation, and chemists' formulas for “own-name” preparations are devised so that they will keep in good condition for a reasonable time. Moreover, the quantities usually packed at one time are not great. Official galenicals have preservatives added where necessary, and the preparation of ampoules is undertaken by few chemists on the dispensing counter. Dispensed medicines are not usually intended to be kept for a long period, but trouble has sometimes arisen with National Health Insurance mixtures when unduly large quantities have been prescribed. Such mixtures have on occasion been brought back to the chemist after a considerable time with the complaint that they have gone mouldy, or that there is a change in colour. This is not the fault of the pharmacist. Even if a method of sterilisation could be used which did not interfere with the composition of the mixture (and in some the number and variety of ingredients make it well-nigh impossible to determine the ultimate contents), the time and expense involved would be prohibitive. We should recognise that preservatives and sterilisation are important and necessary in their proper spheres, but avoid any tendency to carry their use to extremes.—Yours faithfully,

PRESERBO (23/3).

Erudition Astray

SIR,—The topographical pseudonym of your respected correspondent, writing on “Ever-changing Pharmacy” (*C. & D.*, March 16, p. 226), is patently unable to conceal the *fons et origo* of those reverberating Johnsonian periods, invariably admirable in sentiment and diction, of which the learned *Doctor Sh—l* is indubitably the sole extant artificer. As an humble student of the literary art, I venture to compliment a venerated senior on the facility, and indeed felicity, with which he demonstrates the precise integration of a notably erudite vocabulary; but *ex officio*, as a respectable pharmacist, I must, however benevolent his intention, wholly deprecate his allusion to “the oldest profession,” which inevitably animadverts to a vocation less reputable than the pharmaceutical.—Yours faithfully,

BELFASTIENSIS (19/3).

Licensing of Shops

SIR,—Mr. R. C. Deith (*C. & D.*, March 30, p. 256) advocates the licensing of shops, and he gives as one reason the elimination of cut-throat competition due to an excess in the number of shops. I understand from this that licensing means in this sense the restriction of the number of shops carrying on any given trade to a settled proportion of population. It is generally agreed that in populated districts too many shops have been opened, sometimes half a dozen of the same trade may be seen in one shopping thoroughfare, and although some of these may have had to close through the stress of war conditions, it is possible that with a return of peace many persons will open businesses in districts already adequately served. In our own profession this question has been discussed frequently under the title of redundant pharmacies, for there are too many pharmacies in most

towns, with the result that the takings of the smaller ones are barely sufficient to provide a living, and the position is made more difficult by the competition of unqualified traders who sell all kinds of drugs and proprietary remedies. Pharmacy perhaps more than any other kind of retail business lends itself to a system of restricted opening of shops, because there is already a kind of licensing system in force in the shape of personal and premises registration. In some countries restriction of the number of pharmacies is in operation, but in comparing these countries with our own it must be remembered they have also restriction of dispensing and the sale of drugs to pharmacists. Therefore in addition to the licensing of shops, those shops which were licensed would have to be restricted to carrying on the trade for which the licence was issued, for it would be manifestly unfair for anyone who was refused a licence to open a new pharmacy, or for a pharmacist already in business with a licence, to find a grocer or general shop in the same street taking up the sale of medicinal goods. It is not every chemist who is fortunate enough to be established in a block of shops where the leases contain a clause specifying the nature of the trade to be carried on, as happened in the recent case, but this instance gives an idea how a form of restriction could be maintained, and although the judgment given is only applicable to the particular circumstances, chemists should bear it in mind when considering the terms of their own leases. One difficulty in respect of licensing shops for special trades is that in this country there is a large amount of trading carried on by departmental stores comprising many different trades in one building, and if this is allowed one cannot see how a small shopkeeper could be prohibited from extending his business. In fact many large stores have started originally as single shops, and now they are well established they could not be confined to a single trade. There are other difficulties too, some of which are peculiar to this country. When the question of the restriction of the sale of drugs to pharmacists is discussed, the objection is made that the Government would never concede what appears to be a form of monopoly. Might not this objection apply to shops which were licensed for a single trade? Then if the number of shops is limited, would there have to be some control of retail prices in view of the limited competition? Further there is the limitation of individual enterprise. This again raises the problem of restricting the number of pharmacists on the Register, and of ensuring employment to qualified men with an adequate salary with regular increases and provision of a pension at a stated age. So that, as I said at the outset, it may be recognised there are too many shops for them all to be successful, yet it would seem that to license them is not so simple as it appears, and many of the present conditions would have to be altered radically before a sound scheme could be operated.—Yours faithfully,

LICENTIAATE (1/4).

POINTS FROM LETTERS

Closing Hours

I see by the reports from Blackburn and Birmingham (*C. & D.*, March 30, pp. 241, 242) that a move is being made in both these places to secure the continuance of the earlier closing hours imposed during the black-out. Chemists will be foolish if they allow such an opportunity to pass; there has been no inconvenience to customers during the winter months and chemists may well have the benefit of the extra hour of daylight during the summer. Some chemists are continuing to close at 7 p.m. on their own initiative, although others have reverted to 8 p.m. I suppose if all were to close at the earlier hour it would be necessary to get agreement from the Insurance committee.—*Traveller* (3/4).

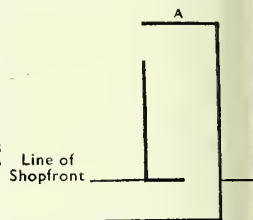
Army Pharmacists

In spite of years of endeavour we seem no nearer proper recognition of pharmacists in the Army. Mr. Moreton Parry at Birkenhead (*C. & D.*, March 30, p. 243), asked whether the present organisation of the Army medical service ought to be investigated by a competent independent authority. So far as the position of pharmacist is concerned there is no doubt such an investigation is long overdue, but in the first place presumably such an inquiry would require Parliamentary sanction, and secondly who would be an independent authority in medical and pharmaceutical affairs? Why should not an example be taken from other armies, and a separate pharmaceutical corps be formed? In the *C. & D.* Supplement (p. xiv) there is a note on the Belgian Cadre des Pharmaciens, in which pharmacists hold the rank of sub-lieutenants.—*N. C. O.* (2/4).

MISCELLANEOUS INQUIRIES

We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them

Light-Lock on Forecourt.—*M. W.* (13/3).—A light-lock part encroaching on the pavement is permitted in certain circumstances, and the summer months will afford the time necessary for constructing the more permanent structure you have in mind. In general plan the construction should correspond with the plan reproduced here and taken from the standard specification for light-locks at entrances to buildings (BS/ARP 15, British Standards Institution, 28 Victoria Street, London, S.W.1, price 9d. post free). If, however, the sources of light adjacent to the inner entrance are suitably screened, so that no light enters the lock at this point, the innermost baffle A may be dispensed with. The part of the lock outside should not, of course, extend beyond the private forecourt into the public footpath.



Rubber cements.—*S. F.* (23/1).—The following formula will probably be suitable for the requirements given:—

RAINCOATS				
Gutta percha	..	..	..	16 parts
India rubber	..	..	..	4 parts
Pitch	..	..	..	2 parts
Shellac	..	..	..	1 part
Linseed oil	..	..	..	2 parts

Reduce the solids to small pieces, melt together with the oil and mix well.

BOOTS AND SHOES				
India rubber, finely chopped	..	..	..	100 parts
Resin	..	..	..	15 parts
Shellac	..	..	..	10 parts
Carbon disulphide, q.s.	to dissolve.			

TYRE CEMENT				
I		II		
Indiarubber, in shreds	1 oz.	Gutta percha	..	5 parts
Chloroform	6 oz.	Indiarubber	..	20 parts
Dissolve and add		Isinglass	..	5 parts
Mastic 1½ oz.		Carbon disulphide	..	70 parts

Rust Remover.—*J. O'S* (27/3).—If the rust is recent, it may be removed by rubbing the metal with a cork charged with oil. To remove old rust mix equal parts of fine tripoli and flowers of sulphur, incorporating olive oil into the mixture so as to form a paste. Rub the metal with the preparation by means of a skin. The following is an alternative formula for rust-removing paste:—

Finely powdered pumice	..	..	30 oz.
Oleic acid	..	..	20 oz.
Suet	..	..	2 oz.
Paraffin	..	..	4 oz.

Melt the fatty matters together and mix intimately with the pumice.

Mortuary Fluid.—*M. H.* (1/4).—So far as we have been able to find this term might be applied to either a solution for disinfecting the atmosphere of the mortuary or to the solution used in preserving bodies, i.e. an embalming solution. The following are formulas for embalming fluids:—

I				
Salicylic acid	..	..	..	4 drachms
Boric acid	..	..	..	5 drachms
Potassium carbonate	..	..	..	1 drachm
Oil of cinnamon	..	..	..	3 drachms
Oil of cloves	..	..	..	3 drachms
Glycerin	..	..	..	5 ounces
Alcohol	..	..	..	12 ounces
Hot water	..	..	..	12 ounces

Dissolve the first three ingredients in the water and glycerin the oils in the alcohol, and mix the solutions.

II				
Salt	..	..	..	500 parts
Alum	..	..	..	750 parts
Arsenious acid	..	..	..	350 parts
Zinc chloride	..	..	..	120 parts
Mercury chloride	90 parts
Formaldehyde solution, 40 per cent.	6,000 parts
Water to	24,000 parts

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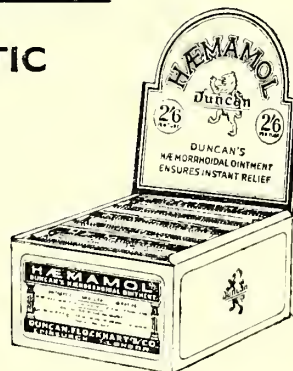
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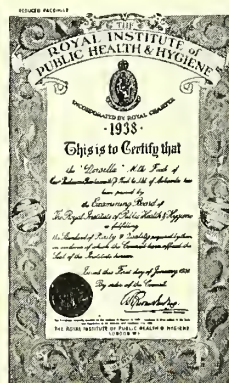
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One of your greatest assets is the nation-wide Goodwill of Beecham Products. Every customer for Beechams Pills, Beechams Powders, Beechams Lung Syrup is paying a tribute to nearly a century of wise, consistent publicity—a tribute to the finest Quality and Value among Home Medicines.

Your sales will leap up if you display Beechams Home Medicines on your counter and in your window. Thousands of dealers send regularly for new display material, which is free on request. Why not you? Let us have your card to-day! Send a postcard for free display material.

**BEECHAMS PILLS LIMITED,
ST. HELENS, LANCASHIRE.**

The CHEMIST AND DRUGGIST SUPPLEMENT

This Supplement is inserted in every copy of The Chemist & Druggist

28 ESSEX STREET, LONDON, W.C. 2

APRIL 6
1940

ADVERTISEMENT TARIFF

AGENCIES, GOODS FOR SALE, PARTNERSHIPS, PATENTS, PREMISES TO LET FOR SALE or WANTED

6/- for 36 words or less, 1d. for every additional word.

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(for Wholesalers, etc.), for odd and second-hand lots.

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EXCHANGE COLUMN { 2d. per word (for Retailers, etc.) minimum 2/6

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BOX OFFICE NUMBER 1/- EXTRA

All advertisements in this Supplement must be prepaid

★ **SPECIAL NOTE.** Advertisements are accepted up to **FIRST POST THURSDAY MORNING** of Week of Issue. Any received too late will be inserted the following week

PLEASE MARK YOUR ENVELOPE "SMALL ADVERTISEMENT"

The Chemist & Druggist, 28 Essex St., Strand, London, W.C.2. Tele: Central 6565 (10 lines) Grams: "Chemicus" Estrand, London
Emergency Address: The Chemist & Druggist, The Pitman Press, Bath

BUSINESS OPPORTUNITIES

CAPITAL available for developing or purchasing concern marketing Medical, Dental or Chemists' lines. Write Box 5190: 4 Talbot Mansions, Museum Street, London, W.C.1.

MANUFACTURING CHEMISTS

desire to acquire by purchase ethical products

Details in confidence to

CDB/108, Office of this Paper

WANTED

NATIONAL Till, total-adder with tape, in good order, wanted for cash. Size and where seen to S. Autrey, 36 Foss Road, S.W.17.

WANTED Miniature Cameras and accessories either new or second-hand, also modern miniature enlargers. Any quantity of trade stocks purchased. Write with full particulars to R. G. Lewis Limited, 202 High Holborn, London, W.C.1. CHAncery 6954.

WANTED. Steam jacketed Mixer or Still with Mixing Gear 100/200 gall. capacity. Capable of withstanding internal pressure of 100 lb. per sq. in. Send rough sketch together with particulars and prices to Featly Products, Ltd., 22 Cornbrook Park Road, Manchester.

FOR SALE

CHEMIST Fixtures. For Sale Mahogany Counter 9 ft., glass front. 2 Wall Cases 4 ft. 6 in. wide. All in excellent condition. £15 cash. Telephone: Staines 2040.

12 LBS. Tinct. Aurant at 14s. Offers 32 lbs. Oleum Lavand Mt. Blanc. 14 lbs. Oleum Bergamot, genuine. 7 lbs. Oleum Limonis Sicilian. 1 lb. Ephedrine Alkaloid. Leading London House, whole or part. Samples; discount for cash. 232/9 Office of this Paper.

THE ASSOCIATION OF MANUFACTURING CHEMISTS, LIMITED

(Business Agency, Transfer & Valuation Department)

KIMBERLEY HOUSE, and at 5 RUMFORD PLACE, Holborn Viaduct, LONDON, E.C.1 LIVERPOOL, 3.

PARKIN S. BOOTH, Valuer. Tels.: CITY 3691 (4 lines)

VALUATIONS. SALES OF BUSINESSES. STOCKTAKINGS.

Enquiries Invited.

ALL HOSPITAL PHARMACISTS & DISPENSERS SHOULD JOIN AT ONCE

The National Assoc. of Chemists' Assistants

INCORPORATED IN THE CHEMICAL WORKERS' UNION
BENEFITS: Trade Protection, Legal Aid, Unemployment Benefit, Free Use of Employment Bureau

WRITE FOR PARTICULARS: Arthur J. Gillian, Gen. Sec., 149 Newington Causeway, London, S.E.1

Important

Postal and Rail facilities are not so dependable these days and frequently advertisements have to be held over consequent on late arrival. Supplement advertisers are therefore asked in their own interests to co-operate by plainly marking "SMALL ADVERTISE-MENT" on the top left-hand corner of the envelope. This will prevent delay and considerably assist our make-up department.

Advertisements can be received up to first post **THURSDAY MORNING** of week of issue, if addressed to

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28 ESSEX STREET, STRAND, LONDON, W.C.2

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£100 for immediate Sale, London (north) old-established Chemist's business at present being run as Drug Store in good district; shopping centre, nicely fitted with large house attached, separate hall door, vacant possession, low rental; no near opposition, splendid opportunity for qualified Chemist. Average weekly takings £17 to £20. Genuine bargain. 232/16 Office of this Paper.

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£150 Pharmacy completely fitted. North London. No near opposition, long lease. Stock can be bought if desired to any amount to suit purchaser. 363/323, Office of this Paper.

WANTED

WANTED Second-hand Mechanically-operated Colton, or similar Collapsible Tube Filling Machine. 363/321, Office of this Paper.

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BBLACKPOOL.—Manager required at once for small branch (residential), experience and salary (moderate) to 108A Warton Street, Lytham, Lancs. Applications not answered one week respectfully declined.

BRENTWOOD, ESSEX.—Wanted for small good-class Drug store, Warley Hill, capable Unqualified Managing Assistant; not under 30. Apply, stating age, experience, salary required, copy refs. (photo, if possible), to Bellamy, The Crest, London Road, Chelmsford.

BRIGHTON, Young Lady Assistant required, unqualified, with knowledge of High-class Toilet Trade. Please give particulars of experience, age, height and salary required, also photo if possible. 233/21, Office of this Paper.

LONDON, S.W. Required Experienced Assistant, Unqualified, for West End district. Hours of work 8.45 a.m. to 6 p.m. Saturdays until 1 p.m. Write giving full particulars to Box 474, Sells, Ltd., Brettenham House, Strand, W.C.2.

MANCHESTER. Wanted Experienced Qualified Manager (Jewish). Age about 30. Accustomed to better-class trade. Good window-dresser and pleasant appearance. Knowledge of Optics an advantage. Interviews given in London if necessary. Write stating age, height, salary required. Photo if possible to 363/319, Office of this Paper.

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A QUALIFIED or Unqualified Lady Assistant wanted at once for good-class Pharmacy with Arden and Imoxa agencies. Accurate Dispenser and good experience of Counter and Window-dressing. Full particulars in first letter. Goode, 63 High Street, Steyning, Sussex.

LADY Assistant, Unqualified, for Toilet, Photographic, Window-dressing. Permanency. Write, stating experience, age, etc., Milner, Chemist, 209 Trafalgar Road, Greenwich, London, S.E.10.

LADY Assistant (25-35), unqualified, for good-class country business. Permanency; must be capable of taking charge of toilet section and window-dressing. Knowledge of dispensing useful but not essential. Apply stating salary required and references. Interview preferred. Turner, St. Ives, Huntingdonshire.

LADY qualified for Loudon West End Pharmacy. Dispensing and counter experience essential. Apply "A," 363/315, Office of this Paper.

LADY (Unqualified) for Counter, Stock, etc. (dispensing not essential). Please give full details of experience, age, height, wage required, when disengaged, etc., to W. Vallans, 61 Station Road, North Harrow.

MANAGER, Qualified, for old-established Liverpool Pharmacy. Applicant must be of good address, possess a sound knowledge of high-class dispensing and be familiar with modern ethical proprietaries. Good Salary and prospects. Apply, stating usual particulars to 233/22, Office of this Paper.

QUALIFIED Manager required for West End Pharmacy. Reply stating age and salary required to the Hygienic Stores, Ltd., 143 Charing Cross Road, London, W.C.2.

QUALIFIED Resident Manager required for high-class dispensing business in West End of London. First-class qualifications and good appearance essential. Salary £234 with private flat, lighting, heating free. Reply, stating age, experience, whether any family. Enclose photograph. 233/9, Office of this Paper.

SOUTH of England. Seasonal Assistants required at Seaside branches. Suit students anxious to gain good experience under congenial conditions before proceeding college. Write giving full details of experience. Retail Staff Manager, Timothy Whites & Taylors, Ltd., 70 Vauxhall Bridge Road, London, S.W.1.

TAYLORS the Chemists require Unqualified Assistants for duties in London. Apply, with full particulars to Retail Staff Dept., Taylors the Chemists, 70 Vauxhall Bridge Road, London, S.W.1.

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UNQUALIFIED Assistants, male or female, required by Timothy Whites & Taylors for branches in the South and West of England. Good salaries and commissions. Permanencies and seasonal appointments. Full particulars to Retail Staff Manager, Timothy Whites & Taylors, 70 Vauxhall Bridge Road, London, S.W.1.

UNQUALIFIED Assistant, preferably between 30 and 40, required for brisk family business in South West London. Progressive permanency for suitable man. State age, height, details of experience and salary required in first letter. 233/16, Office of this Paper.

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UNQUALIFIED Assistant required at once for 14 day's Holiday Relief, with probable permanency later for suitable man. J. Iugham, 19 Upper Tooting Road, London, S.W.17.

UNQUALIFIED Assistant wanted. Please state experience, salary required and enclose photograph to Worton, Chemist, Caversham, Reading.

UNQUALIFIED Lady for Medium-class Business in Slough. Good General Experience, including Dispensing. Full particulars (enclosing photo if possible), to Brailey and Smith, Radlett, Herts.

UNQUALIFIED Young Lady Assistant required for good-class quick retail business. General Counter and Toilet. Arden agency. Please give full particulars of experience, age, with references and photograph (returned), salary required. J. A. Davies, Chemist, 53 Marine Drive, Rottingdean, near Brighton.

WANTED end of April Qualified Chemist and Optician for progressive business in the Eastern Counties. Must be capable Salesman and Window-dresser. Competent and trustworthy. Apply, 233/13, Office of this Paper.

WANTED, PHARMACIST (Male). Applications stating age, details of experience and remuneration required, together with copies of two recent references, should be addressed to the Pharmacy Subcommittee, Co-operative Society, Limited, Frankfort Street, Plymouth, and endorsed "Pharmacist."

WOMAN Dispenser (Hall) desires work with Doctor or Chemist in London. Good Secretary and Book-keeper. Free now. 363/318, Office of this Paper.

YOUNG Lady required as assistant. Medium class business. Apply with usual particulars to S. W. Hodge, 409 Hither Green Lane, S.E.13.

VACANCIES FOR LOCUMS

PHARMACY: Qualified Pharmacist as manager's relief. Unqualified male assistant as locum. The above will be required from May to October. Apply in writing, stating age and experience, to the Staff Manager, Royal Arsenal Co-operative Society, Limited, 113 Powis Street, Woolwich, S.E.18. Endorse envelope "Pharmacy." NOTE: Canvassing of members of the General Committee or Officials will disqualify.

QUALIFIED Locum for Branches, required for 6 weeks, commencing June 17th or near date. Please state experience, age, salary required, to Manager, Drug Department, Ipswich Industrial Co-operative Society, Ltd., 38 Carr Street, Ipswich. Endorse envelope "Qualified Locum."

WHOLESALE

LONDON: An experienced representative required to expand present connexion with Wholesale, Manufacturing and Retail Chemists, etc. Lines include Pharmaceutical and Food Specialities and Standard Pharmaceutical products. An extensive connexion with prospective customers essential. Salary and Commission.—362/312, Office of this Paper.

LONDON AREA.—Required, two representatives (North and South), to call on doctors and hospitals for surgical and pharmaceutical lines. Preferably men with established connexion to whom existing customers will be handed. Commission and expenses only. L.P.L., Whitestones, Hayes Lane, Beckenham.

MANCHESTER. An experienced representative required to expand present connexion with Wholesale, Manufacturing and Retail Chemists, etc. Lines include Pharmaceutical and Food Specialities and Standard Pharmaceutical products. An extensive connexion with prospective customers essential. Salary and commission. 362/313, Office of this Paper.

COMMERCIAL NOTES

Ecuador Annatto Yield.—The 1939 summer yield of annatto seed a record, amounting to approximately 50 metric tons more than that of 1938. Approximately 90 per cent. of the crop is exported, the balance being consumed locally. Puerto Rico took the bulk of the crop. Export returns are as follows:—

Destination	Summer, 1938 kilos	Winter, 1938-39 kilos	Summer, 1939 kilos
Puerto Rico	170,935	85,244	227,977
Continental United States ..	20,987	25,380	20,747
Peru	15,057	7,120	20,000
Bombia	1,042	930	1,860
Colombia	892	—	255
Guatemala	603	—	—
Costa Rica	1,030	—	—
Other countries	—	16,220	—
Germany	—	5,100	—
France	—	—	—
Italy	—	—	—
Spain	—	—	—
U.S.A.	210,546	139,994	270,839

U.S.A. Medicinal and Pharmaceutical Exports.—Exports of medicinal, pharmaceuticals and biologics continued at record levels in November, reaching a total value of \$2,168,790 which compared with \$51,680 during the corresponding month of 1938. The gain was due largely to heavier demand for non-proprietary.

Norwegian Cod Liver Oil Exports.—Exports for the period January-October during the past four years were as follows:—

Description	1936	1937	1938	1939
	Gals.	Gals.	Gals.	Gals.
Medicated medicinal	2,261,800	2,474,820	1,916,670	2,916,300
Unmedicated medicinal	148,860	155,790	177,180	118,050
Other medicinal	1,815,330	1,334,580	849,870	1,265,490
Light brown industrial	2,432,490	2,723,790	2,905,800	2,500,890
Dark brown industrial	76,740	128,910	90,720	85,800
Industrial oils	55,020	14,460	18,960	48,570

Swiss Medicinal and Pharmaceutical Exports.—Exports of medicinal and pharmaceutical products advanced from 23,535,000 Swiss francs in the first half of 1938 to 24,778,000 Swiss francs in the corresponding months of 1939.

Dutch East Indies Medicinal Imports.—Imports of medicinal and pharmaceuticals have increased substantially in the past two years. The demand is supplied almost entirely by imports which normally come from the United States, Germany, France and the Netherlands. Exports of medicinal and pharmaceuticals during the past two years have been as follows:—

Item	1937		1938	
	Kilos	Florins	Kilos	Florins
Drugs	14,225	12,676	28,767	18,557
Medicines	118,925	246,801	56,874	98,853
Proprietary medicines	—	—	31,507	74,384
Total	133,150	259,477	117,148	191,694

Southern Rhodesian Imports of German Goods.—Imports of German goods in recent years were as follows: 1938, £256,848; 1937, £20,049; 1936, £158,536 and 1935, £143,700. The values of medicinal preparations received from Germany were £8,006 in 1938, £4,597 in 1937 and £2,006 in 1936.

British Honduras Medicinal Imports.—As there is no domestic production of medicinal preparations in British Honduras, requirements are met by imports, the principal suppliers being the United Kingdom.

Item and Country of Shipment	1935	1936	1937	1938
	\$	\$	\$	\$
Quinine: Total	1,893	2,370	1,837	2,997
United Kingdom	991	1,697	946	2,341
United States	893	673	891	639
Jamaica	—	—	—	17
ACCINE, LYMPH AND SERUM: Total	583	951	903	1,247
United Kingdom	77	106	142	586
United States	480	845	761	610
Germany	20	—	—	—
OTHER MEDICINES AND DRUGS: Total	42,893	47,421	54,093	55,231
United Kingdom	10,365	11,432	13,289	15,125
United States	25,990	28,435	32,369	30,018
Canada	4,245	4,830	4,698	6,802
Germany	1,331	1,226	1,989	1,135

Dutch West Indies Aloes Output.—It is estimated that the output of aloes in the Netherlands West Indies reached a total of 50,000 lb. during the last quarter of 1939, which brought the crop for the year up to 450,000 lb. Exports are estimated to have reached 562,500 lb.

Spanish-produced Cod Liver Oil.—The proposed erection of a factory at El Ferrol for the drying and preparation of codfish and production of cod liver oil is reported from Madrid. No estimate of annual production of cod liver oil is available.

Duty-free Vitamin Concentrates for Canada.—A recent Order in Council renders free of duty the import of vitamin concentrates for fortifying Canadian fish oils. The duty was formerly 20 per cent.

Brazilian Carnauba Wax Exports.—Exports of carnauba wax for the first nine months of the years 1935-39 are as follows:—

Year	Metric tons	Contos of Reis
1935	5,057	32,505
1936	6,082	68,383
1937	6,352	68,630
1938	6,548	72,379
1939	7,151	79,814

(1 conto equals about \$57.00)

Bermuda Insecticide Imports.—In 1939 Bermuda imported, chiefly from the United States, insecticides and fungicides to the value of £3,342, compared with £2,765 in 1938.

German Borax Imports.—Germany has been making intensive efforts to reduce its dependence for borax upon imported material (almost entirely from the United States) by developing substitute materials suitable for use in the manufacture of enamels, the principal consumption outlet for borax in Germany. Success is reported in the use of substitute materials which enable a saving of 25 per cent. in consumption of borax as fluxing agent in the production of enamel. Slags rich in alkalis produced by the iron and steel industry have been intensively investigated, and it is believed that these materials can replace borax to a certain extent in the manufacture of enamel.

	Crude Borax		Refined Borax	
	Metric tons	Marks	Metric tons	Marks
1933	17,245	1,720,000	7,250	1,158,000
1934	26,196	2,503,000	12,126	1,903,000
1935	30,068	2,755,000	9,984	1,509,000
1936	36,772	3,628,000	5,920	829,000
1937	36,251	3,478,000	10,001	1,364,000
1938	12,434	1,211,000	8,910	1,258,000
1938 (seven months)	4,586	439,000	6,084	822,000
1939 (seven months)	12,598	1,265,000	5,330	710,000

U.S.A. Derris Root Imports.—Imports of crude derris root into the United States during 1939 totalled 2,335,048 lb., valued at \$249,435, compared with 742,661 lb., valued at \$93,157 in 1938. The principal source of supply was British Malaya.

Philippine Islands Ignatia Output.—According to an official estimate the present output of ignatia in the Philippine Islands could be substantially increased. The present annual production totals from 500 to 1,000 kilos.

Palestine Potash and Bromine Exports.—Shipments to all destinations during January-June 1938 and 1939, were as follows:—

Item	First half of 1938		First half of 1939	
	Tons	£P	Tons	£P
Potash	23,928	143,568	38,618	231,708
Bromine	214	16,883	226	17,864
Total	—	160,451	—	249,572

Bulgarian Export Restrictions Removed.—The export from Bulgaria of medicinal plants and medicines obtained from domestic plants is now free from restrictions.

British India Quinine.—The Cinchona Department of the Government of Madras reports that sales of quinine sulphate from locally produced cinchona bark increased from 22,703 lb. in 1937-38 to 26,519 lb. in 1938-39, and cinchona febrifuge from 16,133 lb. to 17,766 lb. In 1938-39 approximately 267 acres were planted to cinchona and 584,833 lb. of bark were harvested. During the preceding fiscal period, plantings amounted to 123 acres, and 587,141 lb. of bark were harvested. Since reserve stocks of manufactured quinine are now almost exhausted, it is anticipated that production will be increased during the current year. According to the director of the Cinchona Department, British India now produces approximately one-third of its cinchona-product requirements and efforts are being made to increase the output. Quinine products produced by the Government in British India are sold in post offices throughout the country.

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QUALIFIED Locum for Branches, required for 6 weeks, commencing June 17th or near date. Please state experience, age, salary required, to Manager, Drug Department, Ipswich Industrial Co-operative Society, Ltd., 38 Carr Street, Ipswich. Endorse envelope "Qualified Locum."

WHOLESALE

LONDON: An experienced representative required to expand present connexion with Wholesale, Manufacturing and Retail Chemists, etc. Lines include Pharmaceutical and Food Specialities and Standard Pharmaceutical products. An extensive connexion with prospective customers essential. Salary and Commission.—362/312, Office of this Paper.

LONDON AREA.—Required, two representatives (North and South), to call on doctors and hospitals for surgical and pharmaceutical lines. Preferably men with established connexion to whom existing customers will be handed. Commission and expenses only. L.P.L., Whitestones, Hayes Lane, Beckenham.

MANCHESTER. An experienced representative required to expand present connexion with Wholesale, Manufacturing and Retail Chemists, etc. Lines include Pharmaceutical and Food Specialities and Standard Pharmaceutical products. An extensive connexion with prospective customers essential. Salary and commission. 362/313, Office of this Paper.

CHEMIST with pharmaceutical and analytical qualifications and experience required for Laboratory of large Proprietary House. Manufacturing experience an advantage. State age, education, experience, salary required, etc., to CDB 110, Office of this Paper.

MAWDSLEY & CO., MANCHESTER require one or two Representatives covering part London, Kent, Sussex and Surrey to take over established connexions for "Prophies" Latex contraceptives and open new accounts. Straight commission or commission and expense basis. References and fidelity cover essential. Part-time representation preferred. Apply Dept. EX. 7, Clyde Road, Manchester, 20.

DRUG Grinder for old-established London Wholesale House. Edge runners and disintegrators. Permanency for competent man. Apply by letter, stating age, experience, etc., to 363/316, Office of this Paper.

INVOICE Clerk, accurate at figures. Age 18-20. Write, stating full particulars, salary required, to 363/309, Office of this Paper.

MAN required over military age by Export Druggist Sundries House in S.E. London. Write, stating age, experience and wages required, to CDB 109, Office of this Paper.

MANUFACTURERS require active and responsible Assistant for General Office, with experience in Chemical Trade. Apply, with full particulars, to CDB 111, Office of this Paper.

REPRESENTATIVE known amongst hairdressers North-West England, required by established Sundries House. Only experienced Salesmen, military exempted, and car owner, should apply, giving age, earnings anticipated, photograph and full details, to 363/314, Office of this Paper.

SEVERAL Experienced Representatives required with good connexions to call on chemists and hairdressers in Cornwall, Devon, Somerset, Gloucester, Wilts and Dorset. Must have car and live on territory. Salary, commission and expenses paid. Give full details in first letter. 233/14, Office of this Paper.

STORE-KEEPER and Dispatch Clerk (male over 30 or female 25-35) required by Manufacturing Chemists in Cheltenham District. State age, experience and wage required. 363/320, Office of this Paper.

TABLET Maker and Sugar Coater wanted for London Wholesale Druggists. 362/270, Office of this Paper.

TRAVELLER, already calling on Retail Photographic Chemists in London, Provinces and Ireland and willing to take up side line. Write, Focal Press, Ltd., 31 Fitzroy Square, London, W.1.

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WHOLESALE Chemist, qualified or unqualified, used to manufacturing. Apply. 362/297, Office of this Paper.

SITUATIONS WANTED

RETAIL (HOME)

ASSISTANT Dispenser, Counterman and General Retail. Good references, single, active, elderly, unqualified. Statin, 284 West Parade, Lincoln.

DISPENSER-BOOK-KEEPER, Lady (Hall), seeks post either with chemist, doctor or as laboratory assistant. Can drive car, London N.W. preferred. Snapper, 61 Exeter Road, N.W.2.

DISPENSER, Lady (Hall), seeks Post. London or Suburbs. Doctor or Hospital only. Definitely experienced, good testimonials, whole or part-time. "A," 235 St. Margarets Road, Twickenham, Middlesex.

DOCTOR, Lady requires post in or near Hastings as Dispenser or Dispenser-Caretaker. Johnson, 133 Clarence Road, Fleet, Hants.

EX Proprietor requires Managership or Locum. London or Suburbs. Over 20 years' experience. Disengaged. Telephone: Fulham 0289. Pharmacist, 15a Avonmore Road, Kensington, W.14.

LADY Pharmacist requires work, four days weekly or locum. Thoroughly experienced, secretarial or otherwise. Chemist, 196 Randolph Avenue, London, W.9.

LADY requires post as Manageress of small Pharmacy "with cover" or Drug stores, Hastings or near. Johnson, 133 Clarence Road, Fleet, Hants.

NOTTINGHAM.—Free April 11 (after D.B.A. Exam.) afterwards evenings only. Hospital and retail experience. "Ph.C.," 6 Peveril Drive, Park.

MANCHESTER. Pharmacist, disengaged, requires post. Accept low salary. Highest references. Chemist, 25 Moxley Road Crumpsall, Manchester.

PART-TIME Lady Assistant Dispenser seeks post. Brighton or district. Hall Certificate. Experienced. Shalom, 89 Ditchling Road, Brighton.

UNQUALIFIED Assistant, married (32), desires post Doctor. Dispenser. Previous experience. Or Shop Assistant. Norfolk country preferred, not essential. 233/6, Office of this Paper.

UNQUALIFIED, seeks Permanency or Season Work. Honest worker. Reliable references. Country preferred, not essential. Unmarried, over military age. 233/3, Office of this Paper.

YOUNG Lady, thorough knowledge of High-class Beauty Preparations, desires change. Used to Toilet-Buying and Controlling Staff. 233/19, Office of this Paper.

LOCUMS SEEKING ENGAGEMENTS

CHEMIST (London address). Locum, experienced, highly recommended. Disengaged at moment on April 22. London or Provinces, anywhere. "Chemist," 1 Regent Street, Burnham-on-Sea, Somerset.

LOCUM, Qualified, 40, reliable, experienced; free dates April 28th to June 8th; 4 guineas weekly return fare London. 228/2, Office of this Paper.

LOCUM: Unregistered; *Now Free*. Experienced managing with Qualified Lady or Gentleman; also Drug Stores. All Dispensing, Prescribing, Photo, etc. Salary, 50s. Stewart, c/o J. Salisbury, 212 West End Lane, N.W.6.

QUALIFIED Locum, some years' experience, any period, anywhere. Free March 30. "Radix," 55 Dudley Road, Walton-on-Thames.

WHOLESALE

PHARMACIST (27), single, seeks Progressive, Representative or Propaganda position. Seven years' high-class pharmacy experience. Will go anywhere. 363/310, Office of this Paper.

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SALES Representative (42); 15 years with Price's Patent Candle Company, London; now disengaged through war, seeks representation of first-class house calling on Chemists, Grocers. Write, Sherwood, 27A Salford Road, Ainsdale, Southport.

TABLET Maker, age 31. Fully experienced all branches, granulating, compressing, sugar coating, used to most pharmaceutical proprietary lines and modern methods of manufacture. Desires Situation with manufacturing chemists in or near London; in present situation 3 years. 362/311, Office of this Paper.

MISCELLANEOUS

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STATUTORY COMMITTEE MEETING

A MEETING of the Statutory Committee of the Pharmaceutical Society was held at 17 Bloomsbury Square, London, W.C., on April 3, with Mr. W. R. Hill in the chair. The case heard was that of a chemist who had been convicted on July 19 on two charges of selling poisons, the sales not being made by or under the supervision of a registered pharmacist. He was fined a total of £4 and ordered to pay £2 2s. costs. Mr. A. C. Castle appeared on behalf of the Pharmaceutical Society and the affected person was represented by Mr. H. V. Lloyd Jones, barrister. Mr. Castle said that test purchases were made and in the absence of the affected person a prescription containing a poison included in Part I of the schedule of poisons, was supplied to an agent of the Society. After hearing the evidence the Committee did not remove the affected person's name from the Register, but suggested that he should employ qualified assistants in his three shops instead of only two.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

Council Meeting

THE following items of business were among those transacted by the Council at their meeting on April 2: A letter from a member concerning the inclusion of pharmacists in the category of persons eligible to certify official documents was considered and it was decided to make representations for pharmacists to be so included.

The secretary reported that a letter had been sent to the Treasury on behalf of the Society and the National Pharmaceutical Union asking that if any alterations in the medicine stamp duty are contemplated in connexion with the Budget they shall be so framed that the views of interested bodies can be submitted before final decisions are taken.

Wednesday's Proceedings

THE annual statement of accounts was one of the principal items dealt with at the meeting of the Council of the Pharmaceutical Society of Great Britain held on April 3. The treasurer, Mr. Wallis, in submitting the statement, referred to the changed conditions which now prevailed and recalled that the then treasurer last year ended his survey on a note of what he called restrained optimism. When he (the speaker) took over the office there was, however, a distinct change. Almost immediately war broke out, and the Society was faced with a fall in examination fees, the cost of A.R.P. measures, and of course with the problem of the new building. The war had serious effects on all those matters. Then, too, evacuation had to be carried out and paid for. Examination fees were still falling, and likely to do so even more next year, with proportionate effect on the accounts. The costs for the "Journal" and other publications had risen considerably. The Council would remember that the special committee which they set up had spent a good deal of time in going into their financial problems, but it must be borne in mind that the economies suggested could not be effected in the year under review, though much of the expenditure fell in that year. The Society had reached a new high level of membership and he was fairly confident that it could not go much higher. Fees for shop premises were up and fees for apprentices also showed an increase, but last year's surplus of £11,000 had been reduced to £3,574, the drop in income being in the region of £10,000. The receipts on the College account were down by about £1,500, but organisation had cost some £700 less. One matter to which he wished to make special reference was assets, which were down by about £20,000, but the fall it suggested was only one in appearance. With regard to the Benevolent Fund he pointed out that subscriptions last year were down a little and, much as one might regret it, it could only be assumed that the claims on the Fund were not likely to be less, especially as the funds of the War Auxiliary Benevolent Fund were now exhausted. He hoped members would remember the Fund when visiting branches. The new building must remain the major problem for some time to come. They had now given authority to build the shell of the building, which would cost about £100,000 irrespective of architect's fees and other charges. The new contract which they had signed was a very favourable one from the Council's point of view, and the work was going on. Just how far the scheme would be proceeded with depended on the money available, and the conflicting arguments for and against further progress would have to be very carefully considered. This year would be the testing time. The Society ought to have a larger surplus, and every item of expenditure would have to be scrutinised with great care.

Organisation Committee.—This Committee reported that at the request of the president they had taken note of the report of the subcommittee appointed by the Conference Executive Committee to make arrangements for a meeting of the Conference in London in June 1940. They recommended the agenda for the branch representatives meeting include the following items:—

(a) Chairman to call attention to the rules of procedure and to propose on behalf of the Council a rule regarding voting by representatives.

(b) To receive a report on matters arising from branch representatives meeting at Birmingham, 1939.

(c) To reappoint representatives to consult with the Organisation Committee concerning branch representatives' meetings and to serve on the Committee of Inquiry.

(d) To consider the motions submitted by branches.

(e) Discussions on national service for pharmacists; the new building; and any other subject which the president may consider

desirable. In view of the danger of accidents while traversing temporary structures arrangements be not made for parties of visitors to be conducted over the new building.

The Council approved a recommendation that a grant up to a maximum of £100 be made to meet any deficiency arising on the cost of the Conference.

Council Candidates.—The secretary reported that twelve members of the Society had been nominated as candidates at the forthcoming Council election. The following ten members had accepted nomination: Antcliffe, H.; Barrs, P.; Culbert, W.; Davis, C.; Irvine, J.; Laws, J.; Peck, E.; Skinner, H.; Wallis, H.; Williams, B. The following had not accepted nomination: Howells, A.; Marns, T. The following had been nominated for election as auditors and had expressed their willingness to accept office: Hill, C.; Hills, J.; Millard, E.; Pearson, G.; Umney, E.

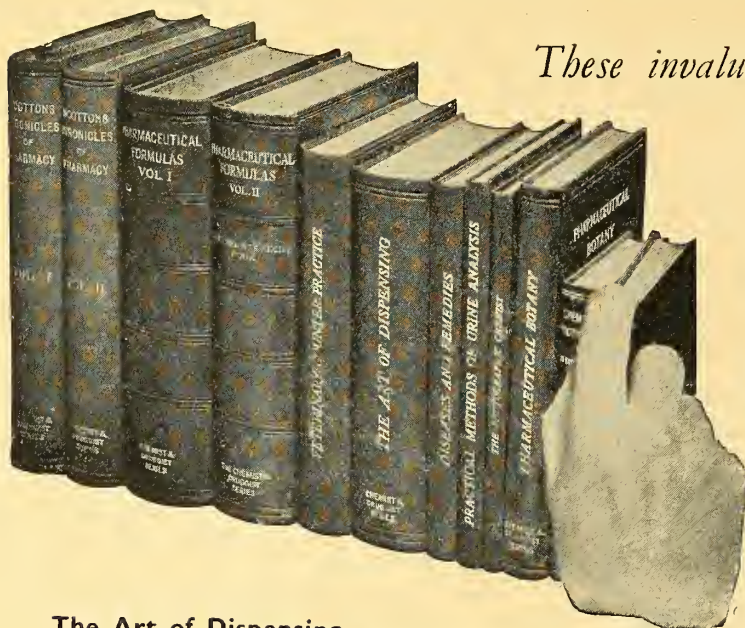
Sector Hospital Scheme.—A report was submitted on a conference held to consider the sector hospital scheme in London. It dealt with a survey of conditions in twelve hospitals included in the London sector hospital emergency scheme. It was agreed to forward the following recommendations to the Council: In each sector a pharmacist should be appointed as pharmaceutical adviser to the lay sector officer. In each sector the pharmaceutical adviser should make a survey of accommodation and equipment in order to satisfy himself that it is adequate, not merely for the present work, but for the work which will be required should the hospitals be full. An adequate pharmaceutical staff should be provided in each institution. The pharmaceutical staff should be assured of reasonable security of tenure and their conditions of employment and the extent of their duties and responsibilities should be clearly defined. The stocks and equipment at all institutions should be carefully scrutinised with a view to their being adequate for the purpose for which the hospital is now being used. The position of the pharmacist as the expert adviser to the governing authority of the institution in the purchase of pharmaceutical supplies should be recognised.

Law Committee.—The Committee considered the under-mentioned resolution passed at the Branch Representatives' meeting in 1939. "That it is the opinion of this conference that the Pharmaceutical Society should press that it be an offence for a manufacturer or a wholesaler to supply scheduled poisons to persons unauthorised to receive them." The Committee carefully considered what action (if any) should be taken by the Society and in particular the results that might be achieved by applying to the Poisons Board for an amendment of the law, and recommended: That the Council should invite branches to approach manufacturers and wholesalers in their areas to arrange with them to prevent so far as possible the accidental or deliberate sale of poisons to retail traders who are not entitled by reason of the Pharmacy and Poisons Act, 1933, to sell them to the public by retail and that the Council's decision be reported to the meeting of branch representatives at the Conference, 1940, and that the Council approach organisations of the wholesale trade with a similar request.

Centenary Celebration.—The Special Committee appointed to consider the question of the celebration of the Society's centenary which will be reached in 1941 suggested that in view of the war and the fact that the Society's new building would not be ready for occupation, the celebration should be on a limited scale and might possibly take the form of the publication of a centenary volume and one function of a ceremonial character.

British Pharmaceutical Conference.—The report of the subcommittee appointed by the executive committee to make arrangements for a meeting of the Conference in London in June 1940 was submitted. It was agreed that it would be more satisfactory if arrangements could be made for all the Conference activities to be conducted in one building, and the Hotel Russell, Southampton Row, W.C.1, was considered a suitable place. The subcommittee recommended that the Conference be held on Tuesday, June 11, and Wednesday, June 12, and that a dinner-dance be arranged for the Tuesday evening; that the price of tickets to include luncheon and dinner-dance be fixed at one guinea per head.

Finance Committee.—The financial statements showed that receipts since the last meeting, including a balance of £26 18s. 9d., amounted to £26,786 10s. 3d.



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